

# Annual INTEC Groundwater Monitoring Report for Group 5 – Snake River Plain Aquifer (2001)



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#### **ABSTRACT**

This report describes the monitoring activities conducted and presents the results of groundwater sampling and water-level measurements from October 2000 to September 2001. Groundwater samples were initially collected from 41 wells from the Idaho Nuclear Technology and Engineering Center and the Central Facilities Area and analyzed for iodine-129, strontium-90, tritium, gross alpha, gross beta, technetium-99, uranium isotopes, plutonium isotopes, neptunium-237, americium-241, gamma spectrometry, and mercury. Samples from 41 wells were collected in April and May 2001. Additional sampling was conducted in August 2001 and included the two CFA production wells, the CFA point of compliance for the production wells, one well that was previously sampled and five additional monitoring wells.

Iodine-129 and strontium-90 were the only analytes above their respective maximum contaminant levels. Iodine-129 was detected just above its maximum contaminant level of 1 pCi/L at two of the Central Facilities Area landfill wells. Iodine-129 was detected in the CFA production wells at  $0.35\pm0.083$  pCi/L in CFA-1, but was below detectable activity in CFA-2. Strontium-90 was above its maximum contaminant level of 8 pCi/L in several wells near the Idaho Nuclear Technology and Engineering Center but was below its maximum contaminant level in the downgradient wells at the Central Facilities Area landfills. Sr-90 was not detected in the CFA production wells. Gross beta results generally mirrored the results for strontium-90 and technetium-99.

Plutonium isotopes and neptunium-237 were not detected. Uranium-233/234 and uranium-238 isotopes were detected in all samples. Concentrations of background and site wells were similar and are within background limits for total uranium determined by the USGS, suggesting that the concentrations are background. Uranium-235/236 was detected in 11 samples, but all the detected concentrations were similar and near the minimum detectable activity. Americium-241 was detected at three locations near the minimum detectable activity of approximately 0.07 pCi/L. The gamma spectrometry results detected cesium-137 in three samples, potassium-40 at eight locations, and radium-226 at one location. Mercury was below its maximum contaminant level of 2  $\mu g/L$  in all samples. Gamma spectrometry results for the CFA production wells did not detect any analytes.

Water-level measurements were taken from wells in the Idaho Nuclear Technology and Engineering Center, Central Facilities Area, and the area south of Central Facilities Area to evaluate groundwater flow directions. Water-level measurements indicated groundwater flow to the south-southwest from the Idaho Nuclear Technology and Engineering Center.

## **CONTENTS**

ABST	TRAC.	Γiii
ACRO	ONYM	ISvii
1.	INTR	ODUCTION1
	1.1	Regulatory Background
	1.2	Site Background
	1.3	Environmental Setting
2.	MON	ITORING PROGRAM AND RESULTS2
	2.1	Groundwater Sampling Results
	2.2 2.3	2.1.1       Iodine-129       3         2.1.2       Tritium       4         2.1.3       Strontium-90       4         2.1.4       Technetium-99       4         2.1.5       Gross Alpha/Gross Beta       5         2.1.6       Uranium Isotopes       5         2.1.7       Plutonium Isotopes and Neptunium-237       5         2.1.8       Americium-241       5         2.1.9       Gamma Spectrometry       5         2.1.10       Mercury       6         USGS and WAG 4 Tritium and Chloride Data       6         Monthly Water-Level Measurements       6
3.	RECO	OMMENDATIONS7
4.	REFE	RENCES
Appe	ndix A	—Water-Level Measurement Data and Borehole Deviation Correction Values
		FIGURES
1.	Map s	showing location of the INTEC at the INEEL
2.	Distri	bution of I-129 in the SRPA in 2001

3.	Iodine-129 concentration trends for select wells near INTEC	11
4.	Distribution of tritium in the SRPA in 2001.	13
5.	Tritium concentration trends for select wells near INTEC	14
6.	Distribution of Sr-90 in the SRPA in 2001	16
7.	Strontium-90 concentration trends for select wells near INTEC	17
8.	Distribution of Tc-99 in the SRPA in 2001	19
9.	Distribution of gross beta in the SRPA in 2001	20
10.	Distribution of chloride in the SRPA (USGS and WAG 4 data)	21
11.	Distribution of tritium in the SRPA (USGS and WAG 4 data)	22
12.	Hydrographs for select wells in the INTEC, CFA, RWMC, and STF areas	23
13.	Water-level contour plot for October 2000.	25
14.	Water-level contour plot for January 2001	26
15.	Water-level contour plot for April 2001	27
16.	Water-level contour plot for July 2001	28
	TABLES	
1.	Summary of iodine-129, Sr-90, tritium, Tc-99, gross alpha, and gross beta in the SRPA	29
2.	Summary of other analytes detected in the SRPA	32
3.	Summary of tritium and chloride data from USGS and WAG 4 sampling in 2000	34
A-1.	Water-level measurements for September 2000	A-3
A-2.	Water-level measurements for October 2000.	A-5
A-3.	Water-level measurements for November 2000	A-7
A-4.	Water-level measurements for December 2000	A-9
A-5.	Water-level measurements for January 2001	A-11
A-6.	Water-level measurements for February 2001	A-13
A-7.	Water-level measurements for March 2001	A-15
A-8.	Water-level measurements for April 2001	A-17

A-9.	Water-level measurements for May 2001.	<b>\-19</b>
A-10.	Water-level measurements for June 2001.	<b>\-21</b>
A-11.	Water-level measurements for July 2001	<b>1-23</b>
A-12.	Water-level measurements for August 2001	A-25

#### **ACRONYMS**

BC brass cap

BCC below brass cap

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CFA Central Facilities Area

DOE Department of Energy

DOE-ID Department of Energy Idaho Operations Office

EPA Environmental Protection Agency

FFA/CO Federal Facility Agreement and Consent Order

FTAMSL feet above mean sea level

FTBMP feet below measuring point

ICPP Idaho Chemical Processing Plant

IDEQ Idaho Department of Environmental Quality

INEEL Idaho National Engineering and Environmental Laboratory

INTEC Idaho Nuclear Technology and Engineering Center

LTMP Long-Term Monitoring Plan

MCL maximum contaminant level

MDA minimum detectable activity

MSIP Monitoring System Installation Plan

NCP National Oil and Hazardous Substances Pollution Contingency Plan

OU operable unit

PBF Power Burst Facility

RI/FS remedial investigation/feasibility study

ROD Record of Decision

RWMC Radioactive Waste Management Complex

SARA Superfund Amendments and Reauthorization Act

SNF spent nuclear fuel

SRPA Snake River Plain Aquifer

STF Security Training Facility

USGS United States Geological Study

WAG waste area group

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#### 1. INTRODUCTION

The purpose of this document is to report the groundwater sampling results and water-level measurements conducted to support the Waste Area Group (WAG) 3, Operable Unit (OU) 3-13, Group 5 - Snake River Plain Aquifer (SRPA) monitoring at the Idaho Nuclear Technology and Engineering Center (INTEC). The *OU 3-13 Record of Decision* (ROD) calls for Group 5 groundwater monitoring to monitor contaminant migration in the SRPA associated with the INTEC facility (DOE-ID 1999). The *Long-Term Monitoring Plan* (LTMP) (DOE-ID 2000a) specified the wells to be sampled and the parameters for analysis based on the data requirements identified in the ROD (DOE-ID 1999). The data quality objectives for the groundwater sampling are described in the *Monitoring System Installation Plan* (MSIP) (DOE-ID 2000b) and LTMP (DOE-ID 2000a).

### 1.1 Regulatory Background

The Idaho National Engineering and Environmental Laboratory (INEEL) is divided into 10 WAGs to manage environmental operations mandated under the *Federal Facility Agreement and Consent Order* (FFA/CO) (DOE-ID 1991). INTEC, formerly the Idaho Chemical Processing Plant (ICPP), is designated as WAG 3. OU 3-13 encompasses the entire INTEC facility.

In October 1999, the ROD was issued for OU 3-13, which includes the INTEC perched and groundwater systems (DOE-ID 1999). The remedial actions chosen in the ROD are in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 (42 USC §9601) as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 (42 USC 9601). In addition, remedies comply with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (55 FR 8665) and are intended to satisfy the requirements of the FFA/CO.

The U.S. Department of Energy Idaho Operations Office (DOE-ID) is the lead agency for remedy decisions. The U.S. Environmental Protection Agency (EPA) Region 10 and the Idaho Department of Environmental Quality (IDEQ) approve these decisions.

## 1.2 Site Background

The INEEL is a government-owned facility managed by the United States Department of Energy (DOE). The eastern boundary of the INEEL is located 52 km (32 mi) west of Idaho Falls, Idaho. The INEEL Site occupies approximately 2,305 km² (890 m²) of the northwestern portion of the Eastern Snake River Plain in southeast Idaho. The INTEC facility covers an area of approximately 0.39 km² (0.15 m²) and is located approximately 72.5 km (45 mi) from Idaho Falls, in the south-central area of the INEEL as shown in Figure 1.

The INTEC has been in operation since 1952. The plant's original mission was to reprocess uranium from defense-related projects and to research and store spent nuclear fuel (SNF). The DOE phased out the reprocessing operations in 1992 and redirected the plant's mission to (1) receipt and temporary storage of SNF and other radioactive wastes for future disposition, (2) management of current and past wastes, and (3) performance of remedial actions.

The liquid waste generated from the past reprocessing activities is stored in an underground tank farm. Numerous CERCLA sites are located in the area of the tank farm and adjacent to the process equipment waste evaporator. Contaminants found in the interstitial soils of the tank farm are the result of accidental releases and leaks from process piping, valve boxes, and sumps and from cross-contamination from operations and maintenance excavations. No evidence has been found to indicate that the waste tanks themselves have leaked. The contaminated soils at the tank farm comprise about 95% of the known contaminant inventory at INTEC. The comprehensive remedial investigation/feasibility studies (RI/FSs) for OU 3-13 (DOE-ID 1997a, 1997b, 1998) contain a complete discussion of the nature and extent of contamination.

## 1.3 Environmental Setting

The environmental setting is summarized here, and a complete description is given in DOE-ID (1997a), (1997b), and (1998). The SRPA underlies the INTEC and Eastern Snake River Plain and has been designated by the EPA as a sole source aquifer for the region. The aquifer lies at a depth of about 137 m (450 ft) beneath the Site. Groundwater in the SRPA generally occurs under unconfined conditions, but locally may be quasi-artesian or artesian (Nace et al. 1959). Regional groundwater flow is southwest at average estimated velocities of 1.5 m/day (5 ft/day). The average groundwater flow velocity at the INTEC is estimated at 3 m/day (10 ft/day) due to local hydraulic conditions. Hydraulic characteristics of the aquifer differ considerably from place to place depending on the saturated thickness and the characteristics of the basalts and sedimentary interbeds.

Recharge to the aquifer is primarily by valley underflow from the mountains to the north and northeast of the plain and from infiltration of irrigation water. A small amount of recharge occurs directly from precipitation. Recharge to the aquifer within INEEL boundaries is primarily by underflow from the northeastern part of the plain and the Big Lost River (Bennett 1990). Significant amounts of recharge from the Big Lost River have caused water levels in some wells at the INEEL to rise as much as 1.8 m (6 ft) within a few months after high flows in the river (Barraclough, Lewis, and Jensen 1982). Locally, the direction of groundwater flow is temporarily changed by recharge from the Big Lost River (Bennett 1990).

The source of contamination in the SRPA originates primarily from the injection well (CPP-23). However, contaminated soils and perched water are predicted to contribute to future SRPA contamination. The iodine-129 (I-129), strontium-90 (Sr-90), and plutonium isotopes were determined to be the only contaminants that pose an unacceptable risk to a hypothetical future resident beyond the year 2095. The primary I-129 source was the former injection well. The primary Sr-90 source(s) were the former injection well and the tank farm soils. The primary source of plutonium isotopes is the tank farm. The major human health threat posed by contaminated SRPA groundwater is exposure to radionuclides via ingestion by future groundwater users.

#### 2. MONITORING PROGRAM AND RESULTS

The WAG 3, Group 5 monitoring activities consisted of groundwater sampling and taking water-level measurements. Water-level measurements were taken monthly from September 2000 through August 2001. Groundwater was sampled from 41 wells in April and May 2001. Additional groundwater sampling was conducted in August 2001 and included sampling the two Central Facilities Area (CFA) production wells, the point of compliance for the CFA production wells, and six monitoring wells.

### 2.1 Groundwater Sampling Results

The LTMP called for sampling 47 wells near INTEC and to the south of the INTEC. Samples were collected from 41 of the 47 wells from April 23 to May 31, 2001. Wells LF 2-12, LF 3-09, USGS-122, USGS-49, MW-18, and LF 3-11 were not sampled because of problems with sampling pumps. Well LF 3-11 has been rendered unusable due to perforation of the screen and entrance of gravel pack and well seal material into the damaged screen. Well LF 3-11 will be replaced by a new well, USGS-128, when it is completed. USGS-128 and LF 3-11 are approximately 1300 feet east-northeast of USGS-85. The pump in LF 3-09 has been replaced and is functional, as of November 11, 2001. Well LF 2-12 was not sampled, but wells LF 2-09 and LF 2-08 are located close to this well and were sampled. Well maintenance for the USGS wells with pump problems will be done by the USGS. Well maintenance for MW-18 will be handled by the INEEL ER Program.

Groundwater samples were analyzed for tritium, Sr-90, I-129, uranium isotopes, plutonium isotopes, americium-241 (Am-241), mercury, gamma spectrometry, technetium-99 (Tc-99), and gross alpha/beta in accordance with the LTMP. The data analysis will focus on tritium, I-129, Tc-99, Sr-90, and gross beta since these parameters have plumes migrating from INTEC. The results for these five parameters are summarized in Table 1. The results for uranium isotopes, mercury, Am-241, and gamma spectrometry are summarized in Table 2. All results are provided electronically in an attached 3.5-in. floppy disk.

After the results for the initial sampling were reviewed, it was apparent that contaminants from INTEC extended beyond the area sampled. To determine the impact of the INTEC plumes on the CFA production wells and to evaluate the migration of I-129, Sr-90, Tc-99, and tritium in the SRPA, additional sampling was conducted from August 28-30, 2001. Gamma spectrometry analysis was also performed on the CFA production wells. The wells in this sampling event included the two CFA production wells, the CFA point of compliance for the production wells (CFA-1606), CFA-MON-001, CFA-MON-002, and CFA-MON-003, USGS-127, LF 2-08 (resampled), and USGS-83. CFA production well CFA-1 has a screen interval from 444 to 639 feet below ground surface (bgs) and a pump depth of 576.5 feet. CFA production well CFA-2 is screened from 521 to 651 feet bgs and has a pump depth of 575.9 feet. The CFA point of compliance is located in CFA-1606 and is an above-ground sampling point that samples the CFA drinking water system after the water from CFA-1 and CFA-2 are mixed together.

#### 2.1.1 lodine-129

The groundwater sampling results indicate that an I-129 plume extends from INTEC into the CFA area. The highest I-129 concentrations were detected in two wells at the CFA landfills (Figure 2). Only two wells, LF 3-8 (in the duplicate sample) and LF 2-8, had I-129 concentrations that exceeded the maximum contaminant level (MCL) of 1 pCi/L. The minimum detectable activity (MDA) for I-129 was approximately 0.1 pCi/L. In contrast, I-129 was over 1 pCi/L in 12 wells in the 1991 groundwater sampling event. The two wells that had the highest I-129 concentrations in 1991, USGS-112 and USGS-113, were below the MDA in the latest round. Iodine-129 was detected at 0.352±0.083 pCi/L in CFA-1 (a CFA production well) but I-129 was not detected in CFA-2, which is the other CFA production well and was near the detection limit (0.098±0.053 pCi/L) at the CFA point of compliance (CFA-1606). Iodine-129 was not detected in the wells sampled south of the CFA.

Trend analysis of the I-129 data indicates that I-129 is decreasing at most locations except at CFA-1 which does not show a distinct trend (Figure 3). Trend analysis for I-129 is hindered by the lack of data from 1990 to 2001. Iodine-129 data were collected in 1995, but this data had a much higher MDA of approximately 0.5 to 1 pCi/L.

#### 2.1.2 Tritium

The tritium results indicated a plume extending from INTEC, past the CFA landfill wells and beyond CFA-MON-A-002 (Figure 4). The extent of the tritium plume is similar to that previously determined using United States Geological Study (USGS) and WAG 4 data and is discussed below. The highest tritium concentration was 14,000±771 pCi/L at USGS-114, and all wells were below the MCL of 20,000 pCi/L. The MDA for tritium was 300 to 400 pCi/L. Overall, the tritium results from this sampling event were considerably lower than the results from the 1995 sampling presented in the RI/FS (DOE-ID 1997a). Tritium was detected at 7,900 and 9,200 pCi/L in the CFA production wells. Tritium was detected at concentrations of less than 1,700 pCi/L in the CFA MON wells, but was not detected in USGS-83 to the south and USGS-127 to the west of the CFA-MON wells.

An anomaly in the recent sampling is that the tritium concentration in USGS-20 was  $6,090\pm359~pCi/L$  whereas tritium was not detected in 1995 and was not detected in USGS sampling in July 2000 (MDA  $\approx 300~to~400~pCi/L$ ). The significance of the tritium occurrence at USGS-20 is uncertain, but other analytes indicative of contamination from INTEC such as I-129, Tc-99, or Sr-90 are not present.

Trend analysis of data since 1985 indicates that tritium is decreasing at all locations (Figure 5). Most of the data shown for select wells within the tritium plume on Figure 5 is from USGS sampling. Except for USGS-47, a consistent downtrend in tritium concentrations is indicated by the negative slope of the correlation lines and correlation coefficients (R<sup>2</sup>) greater than 0.85.

#### 2.1.3 **Strontium-90**

Sr-90 was detected at 31 well locations with the highest Sr-90 concentration, 45.0±7.57 pCi/L, occurring at USGS-47. The minimum detectable activity for Sr-90 was typically between 0.25 to 0.45 pCi/L for the samples collected in April and May and approximately 0.6 pCi/L for samples collected in August. The MCL for Sr-90 is 8 pCi/L. The distribution of Sr-90 in the SRPA indicated a plume extending south of INTEC to the CFA landfills (Figure 6). Sr-90 was below detection limits of approximately 0.5 pCi/L in the CFA production wells. The area of the SRPA exceeding the 8-pCi/L limit for Sr-90 is similar in size to the area above 8 pCi/L in 1995. An increase in Sr-90 activity did occur at LF 3-08 located at CFA Landfill III. The increase in Sr-90 at LF 3-08 suggests that the Sr-90 plume axis is to the west of the CFA production wells.

Trend analysis of six wells within the Sr-90 plume indicates that Sr-90 is steadily decreasing at most locations, except USGS-47, which does not show a distinct trend (Figure 7). For the wells that show a trend, the slope of the regression lines is negative and the correlation coefficients are greater than 0.66 for all wells. Most of the data shown on Figure 7 is from USGS sampling.

#### 2.1.4 Technetium-99

Tc-99 was detected in 20 of the 41 samples with the highest level, 322±6.6 pCi/L, occurring at USGS-52. The highest Tc-99 concentration occurred at the same location as the highest gross beta concentration. The minimum detectable activity for Tc-99 was typically 5 to 6 pCi/L. All sample results are below the calculated MCL of 900 pCi/L. Tc-99 was detected in the CFA landfill wells at levels ranging from 7.68±1.71 to 15.6±1.92 pCi/L. Tc-99 was detected in CFA-1 at 8.8±4.9 pCi/L and in CFA-MON-002 south of CFA at 5.28±2.8 pCi/L. The distribution of Tc-99 in the SRPA is shown on Figure 8.

#### 2.1.5 Gross Alpha/Gross Beta

Gross alpha was above its MDA (approximately 1.8 to 3 pCi/L) at 14 of 41 well locations with detections ranging from 2.2 to 15 pCi/L. The highest gross alpha level occurred in USGS-52 and it was the only well at the MCL. The MCL for gross alpha is 15 pCi/L.

Gross beta was above its MDA (typically 3 to 4 pCi/L) at 36 of 41 well locations and results varied from 4.25±1.26 to 151±8.42 pCi/L. The highest gross beta level occurred at USGS-52 and it was the only well at the MCL. The MCL for gross beta is 4 mrem/yr. The distribution of gross beta in the SRPA shows an area above 50 pCi/L extending from INTEC south to beyond USGS-112 (Figure 9). The gross beta results generally correlate with the Sr-90 and Tc-99 results (see Table 1).

#### 2.1.6 Uranium Isotopes

Uranium-233/234 (U-233/234) was above the minimum detectable activity (0.02 to 0.1 pCi/L) in all samples. The range of U-233/234 detected was from 0.646±0.118 to 1.67±0.153 pCi/L. The narrow range of detection and the occurrence of 1.57±0.147 pCi/L in the upgradient well, USGS-121, suggests that the occurrence of U-233/234 is natural. Similarly, U-238 was above the MDA (0.05 to 0.1 pCi/L) at all locations with a range from 0.252 to 0.851 pCi/L and the upgradient well, USGS-121, contained 0.619±0.074 pCi/L. The narrow range of detections and a background concentration similar to site and downgradient data suggest that the U-238 occurrences are natural. In addition, the concentrations of U-233/234 and U-238 are consistent with background concentrations for total uranium in groundwater in Idaho of 0 to 9 pCi/L (Orr, Cecil, and Knobel 1991).

U-235/236 was above the MDA at 18 locations and ranged in concentration from 0.0277±0.12 pCi/L to 0.146±0.057 pCi/L. The highest concentration of U-235/236 occurred at location USGS-35. All the detections of U-235/236 were close to the MDA (0.02 to 0.1 pCi/L).

#### 2.1.7 Plutonium Isotopes and Neptunium-237

Plutonium isotopes and neptunium-237 were not detected at any of the sampling locations. The minimum detectable activity for neptunium-237 was from 0.06 to 0.13 pCi/L. The MDAs for plutonium-238, plutonium-239/240 and plutonium-241 were 0.028 to 0.07 pCi/L, 0.02 to 0.08 pCi/L, and 7 to 10 pCi/L, respectively.

#### 2.1.8 Americium-241

Am-241 was detected at LF 2-8 at 0.0742±0.0336J pCi/L and at ICPP-MON-A-021 at 0.0733±0.0331J pCi/L and USGS-20 at 0.0472±0.0191J pCi/L. The J flag associated with these Am-241 occurrences indicates that the values are estimated. The MDA was typically 0.02 to 0.08 pCi/L, but was over 0.15 pCi/L for a few samples. All of the Am-241 detections were close to the MDA.

#### 2.1.9 Gamma Spectrometry

The gamma spectrometry analysis for the 41 wells sampled in April-May 2001 detected cesium-137 (Cs-137), potassium-40 (K-40), radium-226 (Ra-226), and zinc-65 (Zn-65) (Table 2). No analytes were detected in the gamma spectrometry analysis of the water from the CFA production wells collected in August 2001.

The list of analytes included in the gamma spectrometry analysis includes antimony-125; cerium-144; Cs-134 and -137; cobalt-58 and -60; europium-152, -154, and -155; manganese-54; niobium-95; potassium-40; radium-226; ruthenium-103 and -106; silver-108 and -110; zinc-65; zirconium-95 and isotopes greater than  $2\sigma$  and greater than the MDA. The minimum detectable activity

for most of the above radionuclides was approximately 3 to 10 pCi/L. The MDA for Cs-137 was approximately 3 to 4 pCi/L, but the MDA for K-40 was 25 to 40 pCi/L and the MDA for Ce-144 was approximately 20 pCi/L. The MDAs for Ra-226 and Zn-65 were typically between 6 and 10 pCi/L.

Cs-137 was detected at USGS-40, USGS-41, and USGS-47 at levels of 9.25±2.52, 8.41±1.97, and 10.6±2.51 pCi/L, respectively. K-40 was detected at nine locations: LF 2-8, LF 3-10, USGS-37 (K-40 was not detected in the duplicate sample from this well.), USGS-40, USGS-67, USGS-46, USGS-51, USGS-57, and USGS-116. The K-40 concentrations ranged from 34.3±10.4 pCi/L at USGS-51 to 68.9±18.1 pCi/L at USGS-40. Ra–226 was detected at USGS-85 at 4.61±1.44 pCi/L. Zn-65 was detected at 5.25±1.16 pCi/L in the rinsate sample.

#### **2.1.10 Mercury**

The highest detected mercury concentration was 0.36  $\mu$ g/L at USGS-44. The detection limit for mercury was 0.1  $\mu$ g/L. The MCL for mercury is 2  $\mu$ g/L. Mercury was detected near its detection limit of 0.1  $\mu$ g/L in several of the CFA landfill wells, but mercury was also detected in a rinsate sample at the same concentration in the same analysis batch.

#### 2.2 USGS and WAG 4 Tritium and Chloride Data

USGS and WAG 4 data for tritium and chloride were used to evaluate the migration path of the plumes from INTEC because the USGS data and WAG 4 data extend beyond the area covered in the Group 5 groundwater sampling. Data from April to October of 2000 were used to construct plume maps for chloride and tritium (Table 3 and Figures 10 and 11, respectively). The MDA for tritium was approximately 300 to 400 pCi/L. The tritium and chloride maps indicate that CFA-MON-A-002 and CFA-MON-A-003 may have been impacted by contamination migrating from INTEC. The data from these maps were used to select wells CFA-MON-A-001 through CFA-MON-A-003, USGS-127, and USGS-83 to be sampled for I-129, Sr-90, Tc-99, and tritium to track the progress of those plumes. Locations USGS-84 and M12S have tritium concentrations of over 1,000 pCi/L, but the chloride levels in these wells are similar to background, suggesting that the source of tritium in these wells is not the INTEC. Well M12S is the first well downgradient of the CFA landfills to the southwest.

## 2.3 Monthly Water-Level Measurements

Water-level measurements were taken monthly from September 2000 to August 2001 for select wells in the INTEC, CFA, Power Burst Facility (PBF), and Radioactive Waste Management Complex (RWMC) area to determine the direction of groundwater movement. The area encompassed by water-level measurements was expanded from the area covered in the LTMP because of the flat gradient in the vicinity of INTEC and the need to include the area of the INTEC groundwater plumes. Several wells in the vicinity of INTEC that were originally proposed for water-level measurement in the LTMP, including USGS-40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -52, -59, MW-18, ICPP-MON-A-021, and ICPP-MON-A-022, were not used for water-level measurements because these wells were grouped in INTEC and did not provide the spatial coverage needed to determine flow directions from INTEC. The list of wells measured each month sometimes changed because of access problems.

The depth to groundwater was determined using surveyed measuring point elevations and well deviation correction factors. Water-level measurements were adjusted for borehole deviation using USGS correction factors that are based on gyroscopic and/or magnetic deviation surveys. Borehole deviation data, either photogyroscopic, magnetic, or digital gyroscopic, are available for all but five wells used to construct the water-level maps. Borehole deviation data were not available for South-Mon-A-001 through –004 (M11S, M12S, M13S, and M14S) and USGS-107. Water-level measurements taken at wells with

less than 0.3 ft of vertical deviation from the true depth were not adjusted for deviation because deviation measurements have an uncertainty associated with them. For instance, the photogyroscopic surveys can have from 0.11 to 0.42 ft of uncertainty depending on whether the high- or low-angle tool was used. The water-level measurement data and borehole deviation correction values are presented in Appendix A in Tables A-1 to A-12.

Hydrographs for selected wells in INTEC, CFA, RWMC, and the Security Training Facility (STF) show a trend of declining water levels over the 1-year period that water-level measurements were taken (Figure 12). Water-level elevations range from 1,438 m (4,459 ft) above median sea level in the northern part of the INTEC to about 1,428 m (4,428 ft) above median sea level near the RWMC.

Groundwater-level contour maps are plotted quarterly for October 2000, January 2001, April 2001, and July 2001 (Figures 13 through 16). The general direction of groundwater flow from INTEC is south to southwest. At CFA, the flow is southeast to southwest. The hydrographs and water-level contour maps show that water levels declined over the 1-year period, but the direction of groundwater flow remained the same throughout the year (see Figures 13 through 16). The groundwater flow directions indicated by the groundwater contour maps generally agree with the plume geometries for tritium and chloride, and this should be the case because both tritium and chloride act as conservative tracers for the groundwater flow.

The groundwater gradient in the area covered by the water-level measurements varies considerably (see Figures 13 through 16). The gradient is slight over the area between INTEC and CFA landfills (more than a mile) with less than 2 ft of head difference. Steeper gradients are present south of CFA, near the RWMC, and in the vicinity of the PBF. There is approximately 14 ft difference in groundwater elevation from M12S to M13S (~1 mi) near the RWMC and approximately 17.5 ft from PBF-MON-A-001 to PBF-MON-A-004 over a distance of approximately 1 mi at the PBF.

#### 3. **RECOMMENDATIONS**

Well LF 2-08 should replace USGS-112 or USGS-113 in the list of wells for long-term monitoring (DOE-ID 2000a). LF 2-08 is at the MCL for I-129 and is close to the production well CFA-1 and changes in concentration of contaminants of interest, such as I-129, Sr-90, etc., would give an indication of the potential impacts on the CFA production wells.

The Site-Wide Drinking Water Program (SWDWP) has initiated the monitoring of the CFA drinking water system for I-129. This information will be collected quarterly during 2002 by the SWDWP. The information will be included in the annual Group 5 monitoring report and trended.

#### 4. REFERENCES

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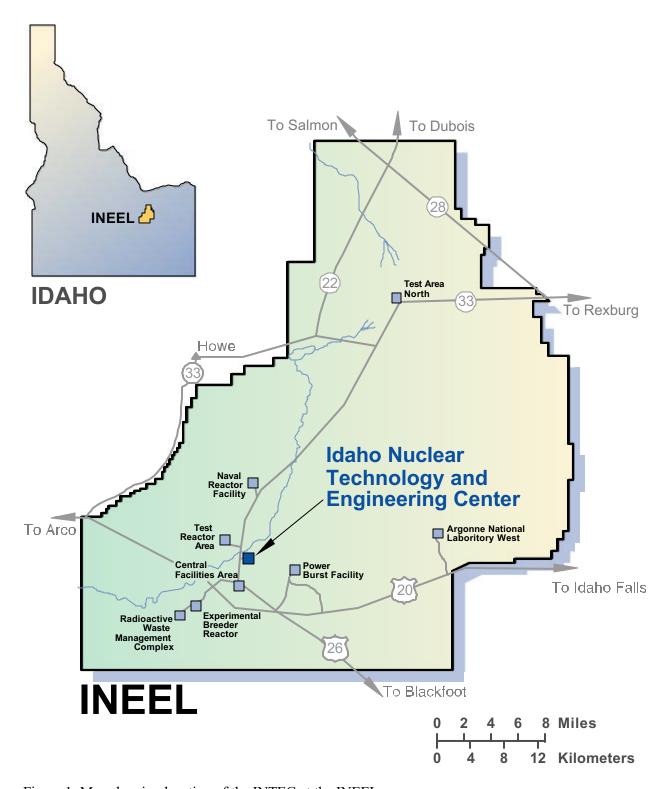


Figure 1. Map showing location of the INTEC at the INEEL.

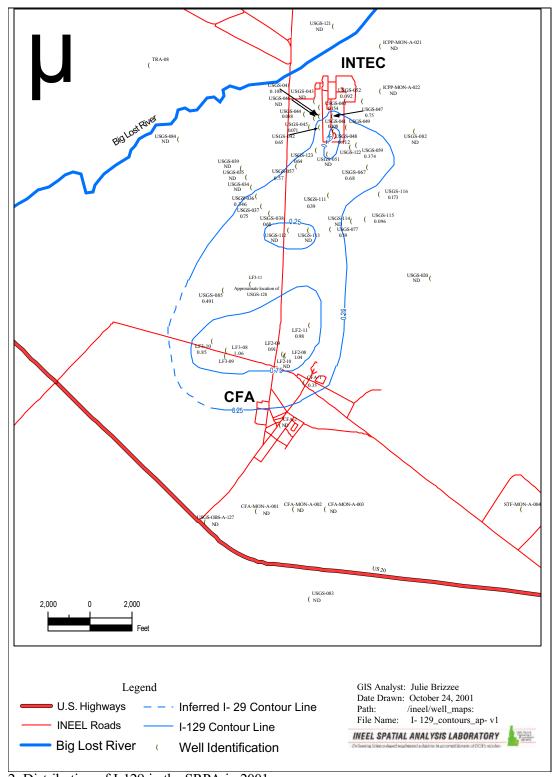
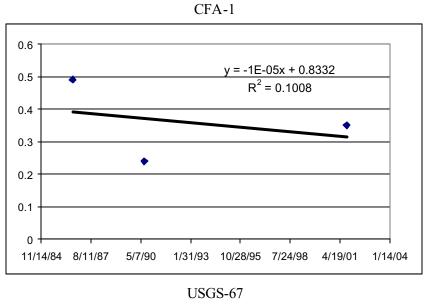
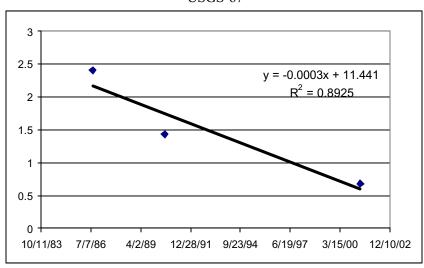


Figure 2. Distribution of I-129 in the SRPA in 2001.





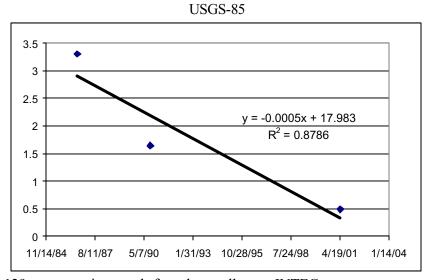
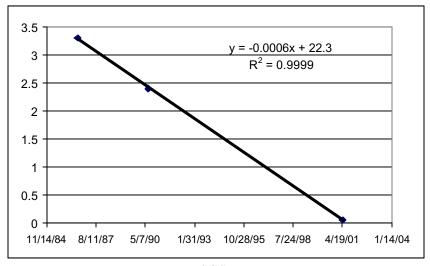
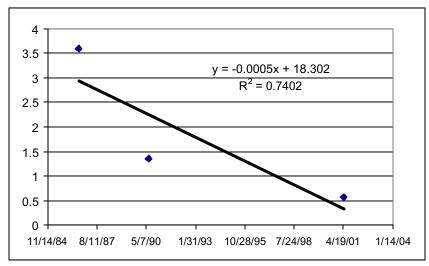


Figure 3. Iodine-129 concentration trends for select wells near INTEC.





#### USGS-57



USGS-47

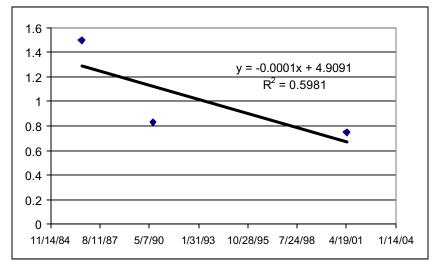


Figure 3. (continued).

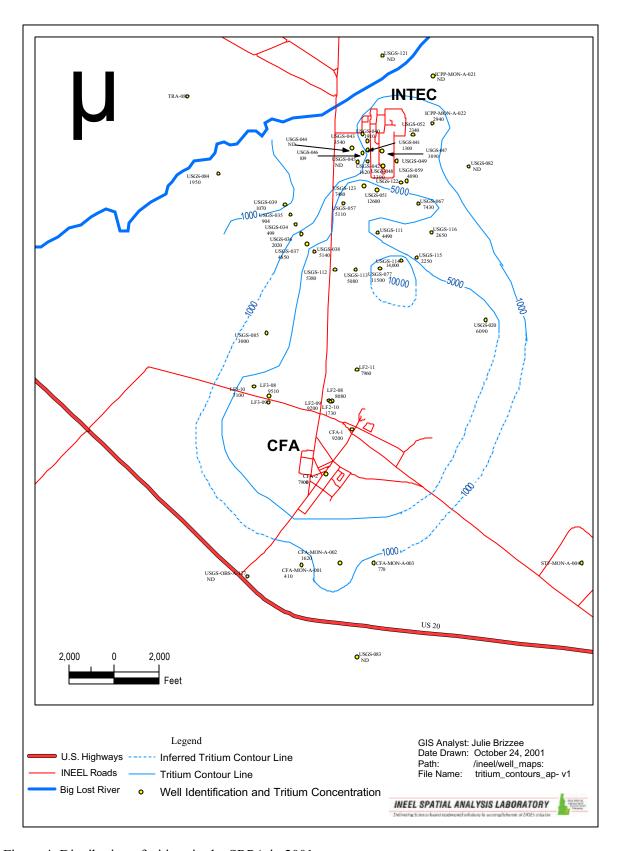
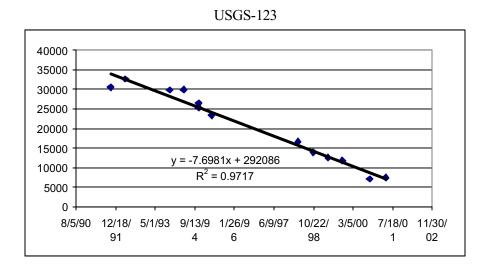
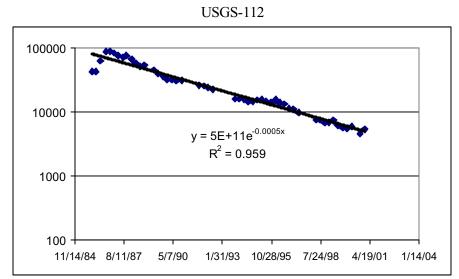


Figure 4. Distribution of tritium in the SRPA in 2001.





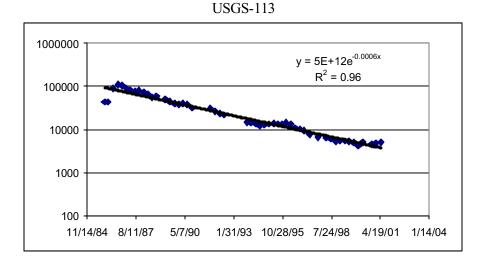
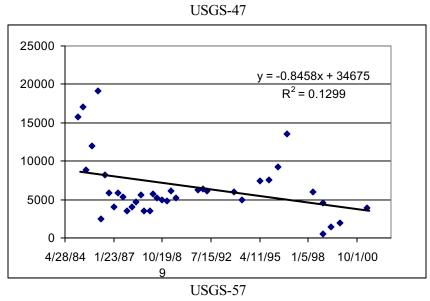
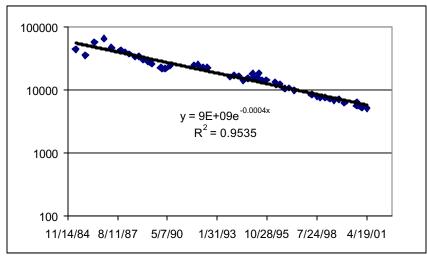


Figure 5. Tritium concentration trends for select wells near INTEC.





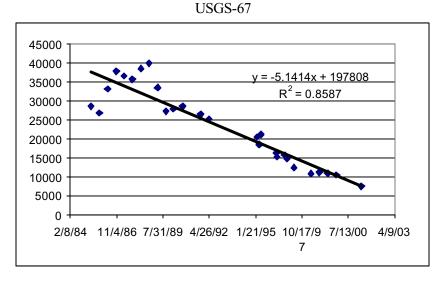


Figure 5. (continued).

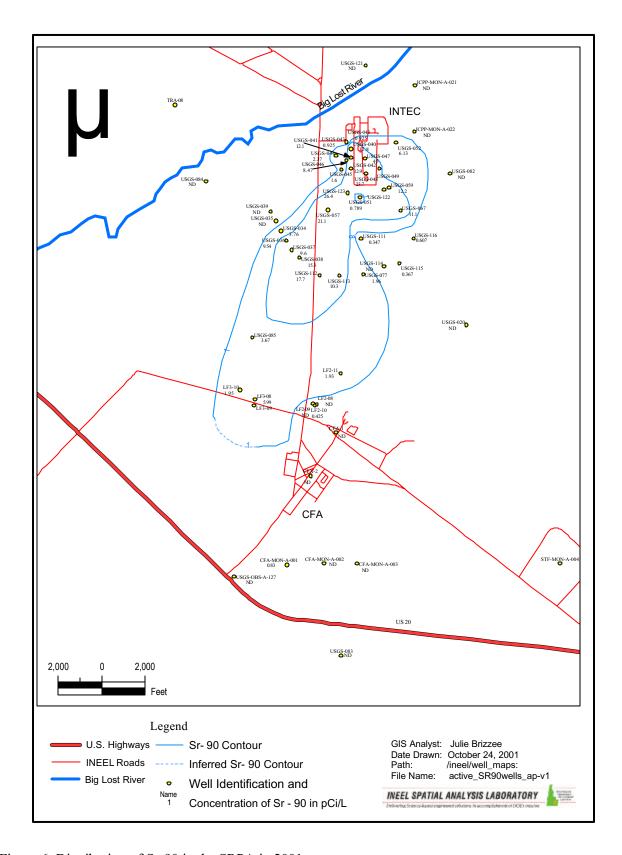


Figure 6. Distribution of Sr-90 in the SRPA in 2001.

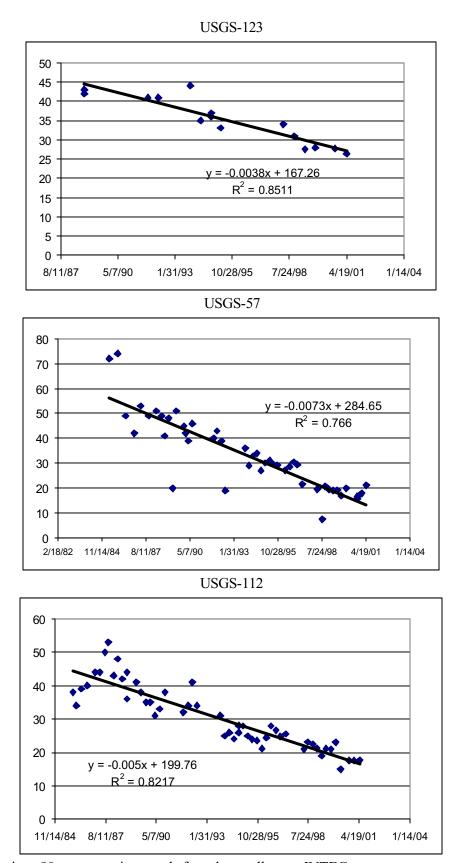
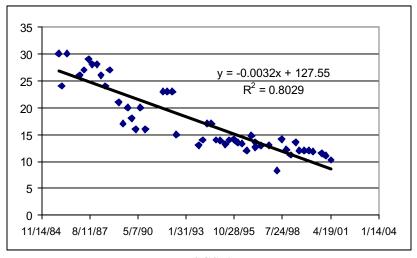
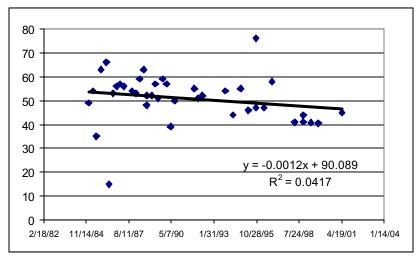


Figure 7. Strontium-90 concentration trends for select wells near INTEC.





#### USGS-47



#### USGS-67

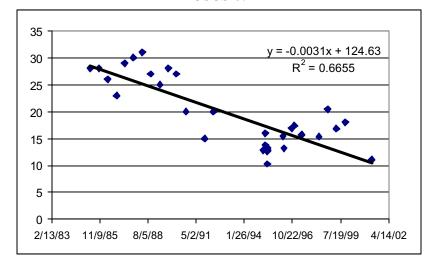


Figure 7. (continued).

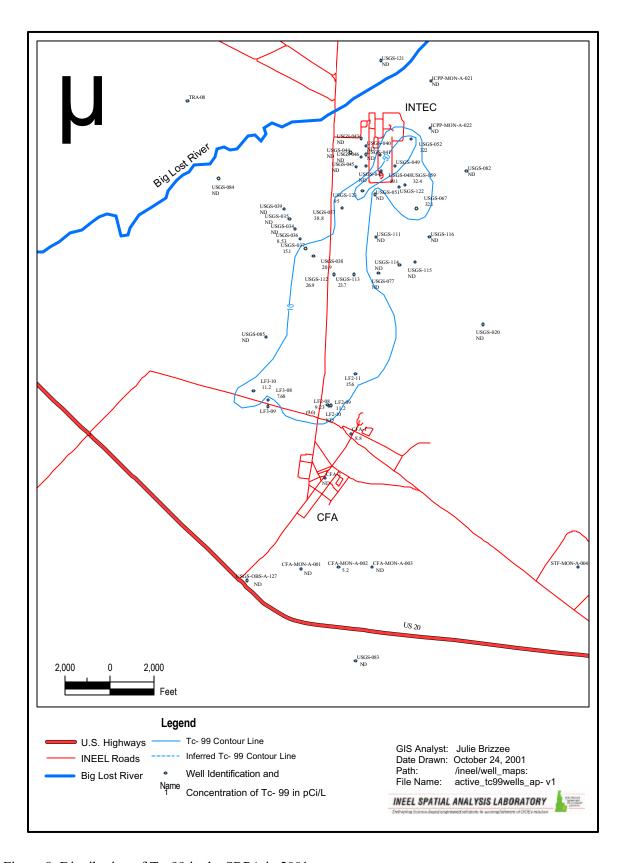


Figure 8. Distribution of Tc-99 in the SRPA in 2001.

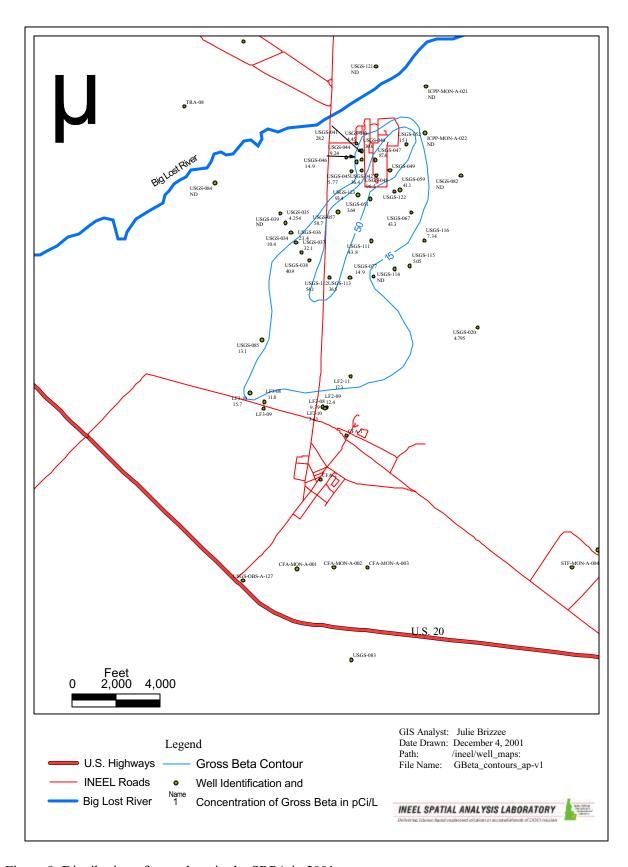


Figure 9. Distribution of gross beta in the SRPA in 2001.

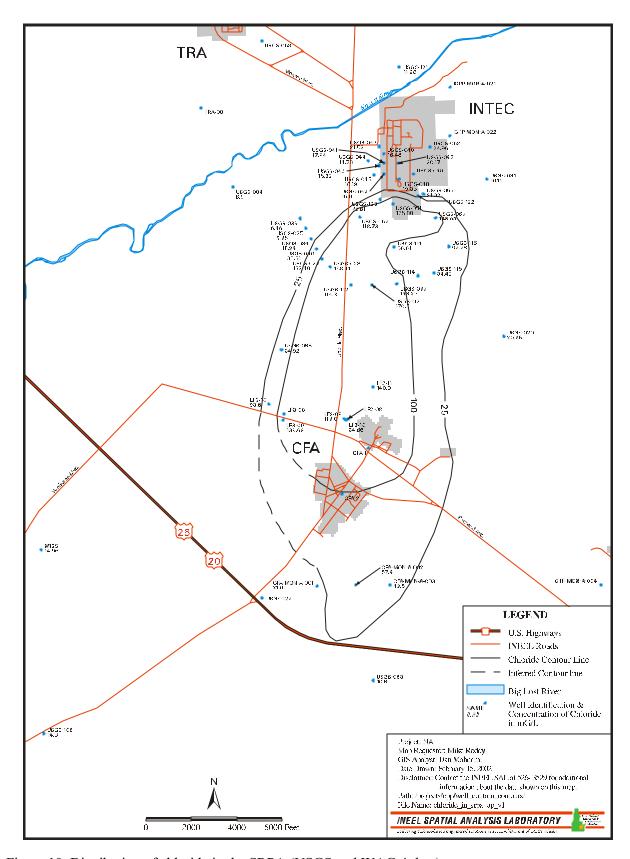


Figure 10. Distribution of chloride in the SRPA (USGS and WAG 4 data).

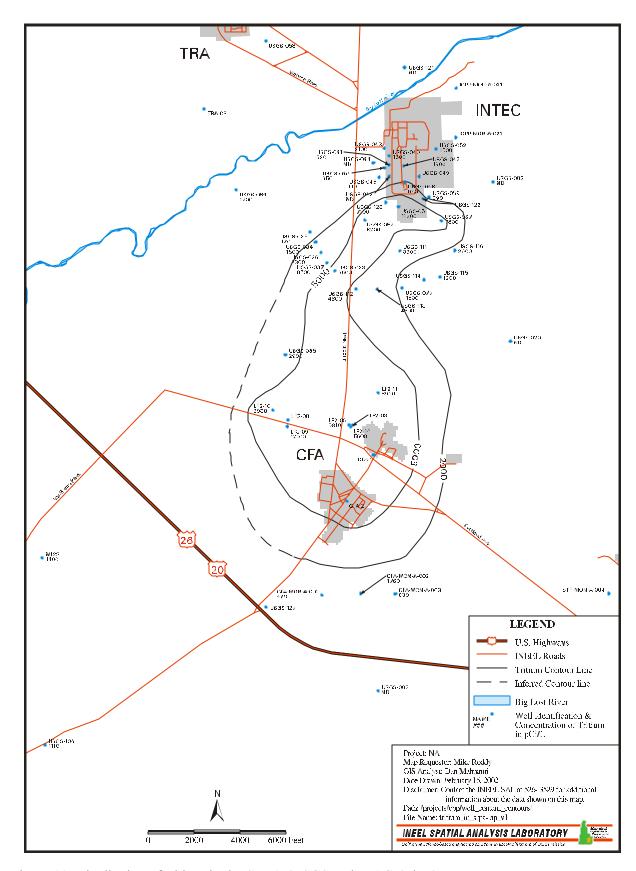
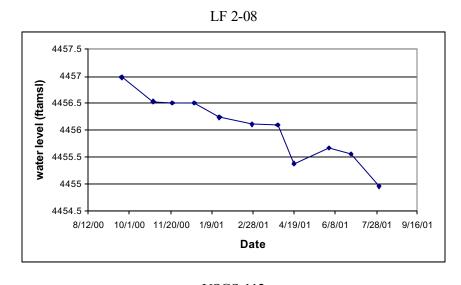
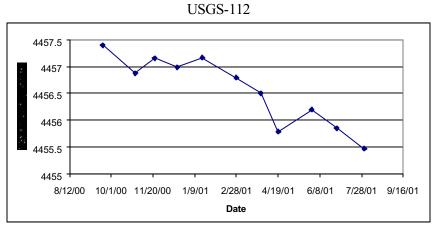


Figure 11. Distribution of tritium in the SRPA (USGS and WAG 4 data).





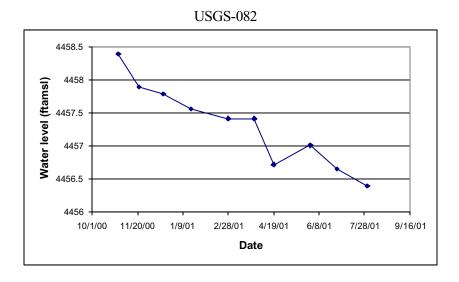
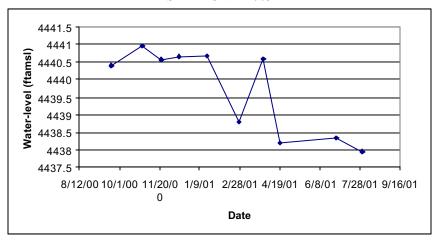
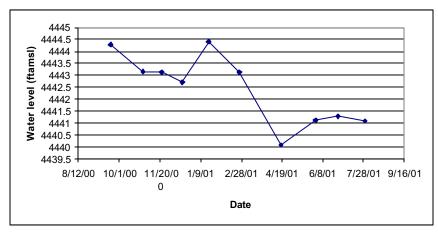


Figure 12. Hydrographs for select wells in the INTEC, CFA, RWMC, and STF areas.

#### STF-MON-A-003



#### SOUTH-MON-A-002 (M12S)



#### CFA-MON-A-001

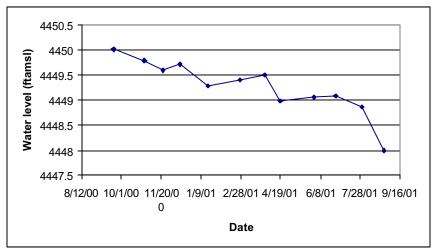


Figure 12. (continued).

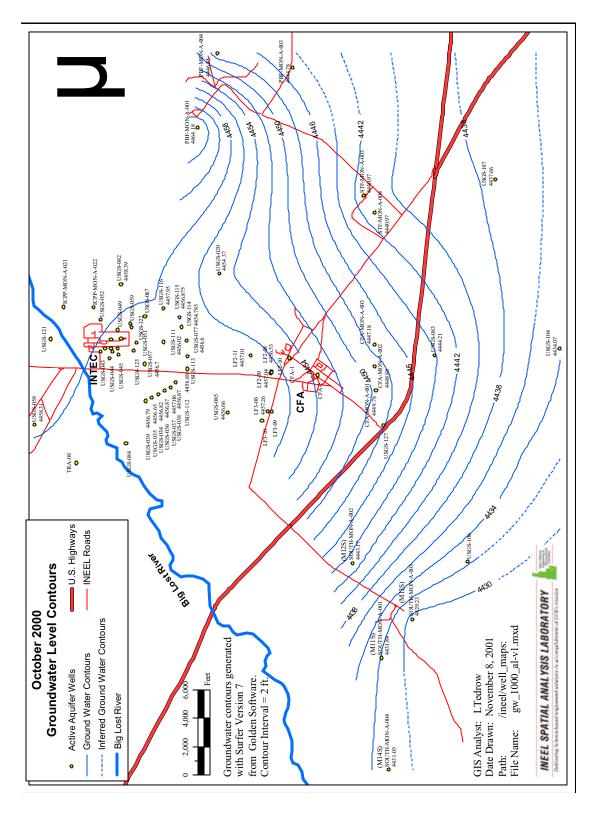


Figure 13. Water-level contour plot for October 2000.

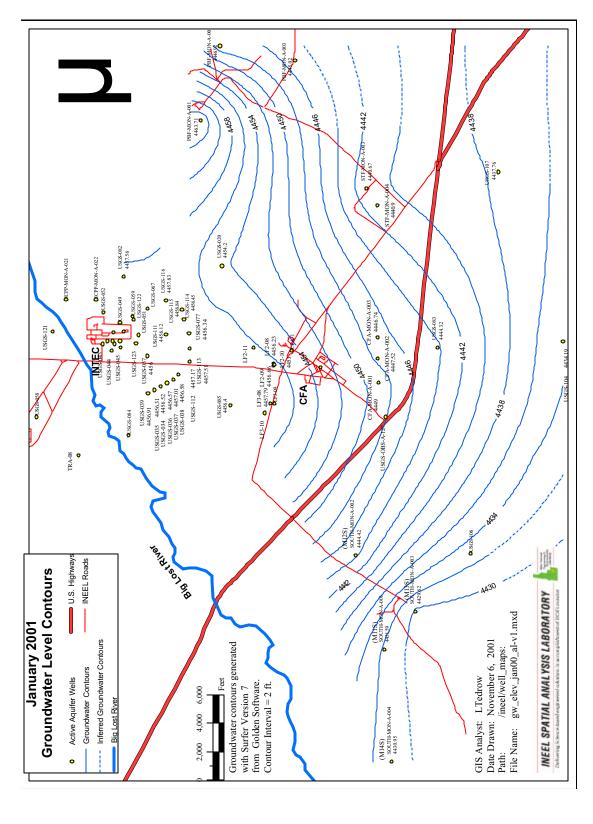


Figure 14. Water-level contour plot for January 2001.

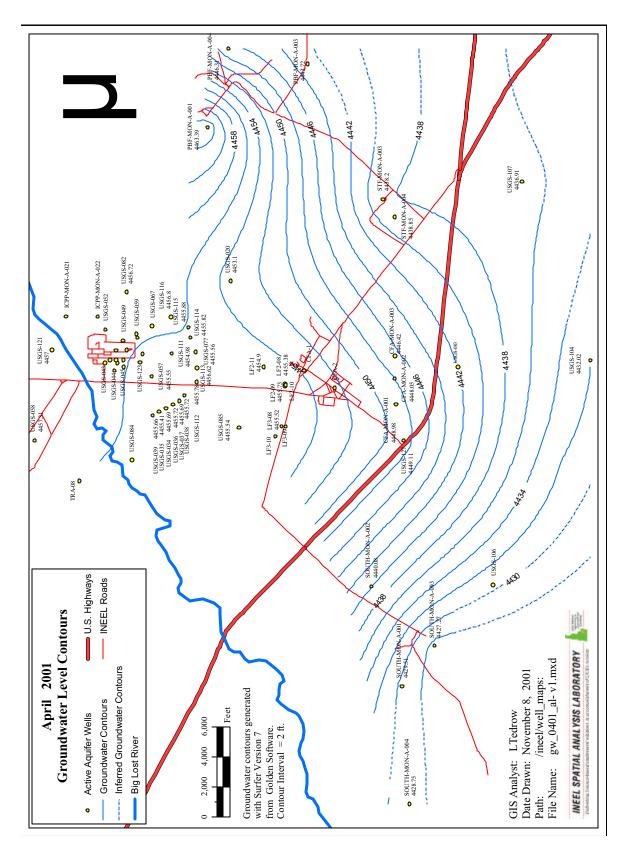


Figure 15. Water-level contour plot for April 2001.

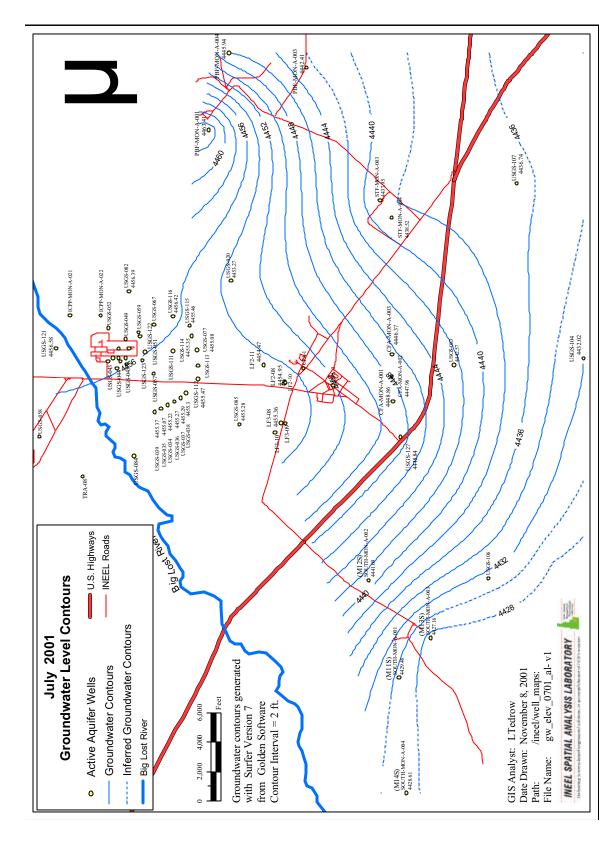


Figure 16. Water-level contour plot for July 2001.

Table 1. Summary of iodine-129, Sr-90, tritium, Tc-99, gross alpha, and gross beta in the SRPA.<sup>a</sup>

		I-129	29		Sr-90	00		Tritium	ш		Tc-99			Gross Alpha	Jpha		Gross Beta	3eta
		MCL = 1 pCi/L	1 pCi/L	4	MCL = 8 pCi/L	pCi/L		$MCL = 20000 \ pCi/L$	0 pCi/L	MC	MCL = 900 pCi/L	pCi/L	2	MCL = 15 pCi/L	pCi/L	2	MCL = 4  mrem	mrem
Well	QA/QC pCi/L	pCi/L	-/+		pCi/L	-/+		pCi/L	-/+	Ъ	pCi/L	-/+		pCi/L	-/+		pCi/L	-/+
ICPP-MON-A021		0.009	$0.023~\mathrm{U}^\mathrm{b}$		0.0417 0.0447	0.0447	Ω	84	88.5 UJ		-2.38	1.53	Ω	1.83	1.01	Ω	5.4	1.26
ICPP-MON-A022		0.028	0.023	þ	0.0268	0.0437	D	2940	193	- •	2.75	2.92	n	0.804	1.1	n	6.4	1.46
CFA-1		0.352	0.083		0.14	0.26	n	9200	1200		8.8	4.9		$NA^{c}$			NA	
CFA-2		0.072	0.05	Ω	0.16	0.24	D	7900	1100		8.0	4.4	Ω	NA			NA	
CFA-MON-A-001		-0.045	0.044	D	0.83	0.35	E	410	140		0.1	4.1	Ω	NA			NA	
CFA-MON-A-002		-0.024	0.046	Ω	0.27	0.25	n	1620	280	•	5.28	2.8		NA			NA	
CFA-MON-A-003		-0.045	0.044	n	0.21	0.28	n	770	180		2.5	3.0	Ω	NA			NA	
CFA-1606		0.098	0.053		0.65	0.32	Π	8000	1100		3.9	3.0	n	NA			NA	
CFA-1606	Dup	0.112	0.056		0.14	0.28	n	8200	1100		5.6	3.1		NA			NA	
LF 2-10		0.041	0.047	Ω	0.425	0.0988		1730	145	0	0.897	1.51	Ω	1.75	0.718	E	3.63	1.04
LF 2-11		0.98	0.17		1.93	0.5		0962	446		15.6	1.92		2.75	1.3	E	17.3	1.89
$LF 2-8^d$		0.92	0.17		0.58	0.28	CI	8400	1100		9.6	4.6		NA			NA	
LF 2-8		1.04	0.18		0.164	0.118	n	8080	451		9.23	1.68		1.26	1.06	Ω	9.39	1.52
LF 2-9		0.91	0.16	_	900000	0.149	n	9200	510		11.2	1.75		0.708	0.894	Ω	12.4	1.79
LF 3-10		0.85	0.15		1.95	0.321		7100	403		11.2	1.86		1.61	0.967	n	15.7	1.83
LF 3-8		0.91	0.16		5.42	0.715		9510	524	-	7.68	1.71		2.19	1.18	Ω	11.8	1.65
LF 3-8	Dup	1.06	0.19		5.99	0.781		9270	512		8.38	1.86		3.51	1.36	J	12.7	1.81
USGS-20		990.0	0.023 UJ		-0.0149	0.087	n	0609	359		1.14	1.52	Ω	3.2	1.11	J	4.79	1.12
USGS-34		0.055	0.023 UJ	U	3.76	0.596		499	100	•	4.89	2.25	C)	0.987	869.0	Ω	10.4	1.5
USGS-35		-0.021	0.048	D	0.614	0.154		904	114	0	0.799	2.37	Ω	2.69	1.06	J	4.25	1.26
USGS-36		0.346	990.0		9.54	1.34		2020	158		8.53	2.6		3.6	2.69	n	23.4	3.34
USGS-37	Dup	0.61	0.12		10.0	1.59		4850	285		14	1.7		1.31	0.816	Ω	32.1	2.33

Table 1. (continued)

	I-1	I-129	Sr-	Sr-90	Tritium	ш		Tc-99			Gross Alpha	Alpha	Gros	Gross Beta
	MCL =	MCL = 1 pCi/L	MCL =	MCL = 8 pCi/L	$MCL = 20000 \ pCi/L$	00 pCi/L	M	MCL = 900 pCi/L	pCi/L		MCL = 15 pCi/L	5 pCi/L	MCL =	MCL = 4  mrem
Well	QA/QC pCi/L	-/+	pCi/L	-/+	pCi/L	-/+		pCi/L	-/+		pCi/L	-/+	pCi/L	-/+
USGS-37	0.75	0.14	9.6	1.31	9969	353		15.1	1.72		2.97	U 76.1	26.1	3.77
USGS-38	89.0	0.12	15.3	2.11	5140	299		20.9	1.93		2.62	1.16 J	40.9	2.69
USGS-39	-0.011	0.017 U	0.139	0.128 U	1070	122	Ŭ	0.0773	2.51	n	1.49	0.789 U	3.09	1.22
USGS-40	0.154	0.036	12.8	1.75	1910	154		-2.33	1.47	Ω	2.24	0.984 UJ	30.6	2.51
USGS-41	0.108	0.051 J	12.1	1.45	1300	129	·	-0.419	1.47	n	2.09	1.27 U	28.2	3.93
USGS-42	0.65	0.13	12.9	3.21	1620	136		1.36	1.53	Ω	3.44	2.47 U	36.4	4.90
USGS-43	0.065	0.049 U	0.925	0.15	3540	230		-1.77	1.47	Ω	0.501	0.745 U	4.45	1.19
USGS-44	0.088	0.049 J	2.37	0.296	-169	85.8	Ω	-2.8	1.45	Ω	1.11	0.74 U	9.24	1.50
USGS-45	0.071	0.049 U	1.6	0.263	195	90.4	Π	8.29	2.3		2.71	0.815	5.77	0.999
USGS-46	0.052	0.047 U	8.47	0.466	839	109		ъ	2.38	Ω	2.35	0.928 J	14.9	2.54
USGS-47	0.75	0.13	45	7.57	3890	249		38.3	2.78		2.83	1.03 J	87.6	5.5
USGS-48	0.112	0.053 J	23.7	3.28	3390	224		89.1	2.79		5:35	1.77	96.5	00.9
USGS-51	0.076	0.053 U	0.789	0.151	12600	693		4.28	2.37	Ω	0.0537	0.527 U	3.64	1.27
USGS-52	0.092	0.052 U	6.13	0.91	2340	173		322	9.9		15	3.86	151	8.42
USGS-57	0.57	0.11	21.1	3.43	5110	300		38.8	2.03		2.06	1.05 U	58.7	4.50
USGS-59	0.374	0.084	12.2	1.68	4090	253		32.4	1.91		1.84	0.814 UJ	41.1	2.65
19-SBSN	89.0	0.12	11.1	1.47	7430	413		32.1	2.64		2.87	1.15 J	43.3	2.83
USGS-77	0.59	0.11	1.96	0.296	11500	613		5.48	2.47	f	2.2	0.929 J	14.9	1.55
USGS-82	0.059	0.026 U	0.114	0.0551 J	26.3	86.3	n	-2.3	1.65	Ω	3.95	1.35 UJ	5.56	1.41
USGS-83	-0.057	0.05 U	0.26	0.24 U	44	95	n	3.3	2.8	n	NA		NA	
USGS-84	-0.005	0.017 U	-0.0455	0.0887 U	1950	154		-6.7	2.66	n	1.66	0.764 UJ	0.757	1.01
USGS-85	0.491	60.0	3.67	0.509	3000	201		2.35	2.27	n	1.7	0.965 U	13.1	1.79
USGS-1111	0.39	0.088	0.347	0.0999	4490	279		0.833	1.52	n	1.81	0.848 UJ	1 43.8	1.21

Table 1. (continued)

	I-I	I-129		Sr-90	06	Tritium	um		Tc-99	6		Gross Alpha	ılpha	Gross	Gross Beta
	MCL = 1 pCi/L	1 pCi/L		ACL =	MCL = 8 pCi/L	$MCL = 20000 \ pCi/L$	00 pCi/L		MCL = 900 pCi/L	pCi/L		MCL = 15 pCi/L	pCi/L	MCL =	MCL = 4  mrem
Well Q	QA/QC pCi/L +/-	-/+		pCi/L	-/+	pCi/L	-/+		pCi/L	-/+		pCi/L	-/+	pCi/L	-/+
USGS-112	0.06 0.05	0.05	D	17.7	2.3	5380	312		26.9	2.61		6.42	1.97	54.1	3.96
USGS-113	-0.009	0.05	D	10.3	1.39	5080	297		23.7	1.81		2.89	1.31 J	36.5	2.81
USGS-114	0.163	0.036		0.117	0.0774 U	14000	771		4.46	1.57	E)	1.45	0.929 U	6.14	1.18
USGS-115	0.096	0.029		0.367	0.105	2250	171		2.6	2.28	Ω	1.02	0.488 UJ	5.05	0.816
USGS-116	0.173	0.038		0.607	0.133	2650	188		5.51	2.28	U	0.83	0.745 U	7.34	1.32
USGS-121	-0.008	0.045	D	0.249	0.0897 UJ	-167	87.5	n	-0.439	1.54	Ω	1.69	0.757 UJ	3.15	1.10
USGS-123	0.64	0.12		26.4	3.86	7480	415		95	2.83		4.18	1.63 J	93.4	5.6
USGS-127	-0.016 0.042	0.042	D	0.38	0.29 U	110	110	n	2.2	3.2	n	NA		NA	
RINSE	0.003	0.003 0.028	D	U -0.0281	0.0454 U	51	6.98	n	-3.94	1.54	Ω	0.397	0.415 U	0.348	0.936

a. Bold indicates a value equal or greater than the maximum contaminant level (MCL).
b. "U" indicates that an analyte was not detected. "J" indicates an estimated value. "UJ" indicates that the reported value is only an estimate.
c. "NA" means not analyzed.
d. Resampled in August 2001.

Table 2. Summary of other analytes detected in the SRPA<sup>a</sup>.

·	Mercury MCL=2 μg/L	U-233/234	3/234	U-238	38	U-235/236	5/236	Cs-137	37	K-40	0	Am-241	241
Well	$\mu \mathrm{g/L}$	pCi/L	-/+	pCi/L	-/+	pCi/L	-/+	pCi/L	-/+	pCi/L	-/+	pCi/L	-/+
ICPP-MON-A021	$0.1~\mathrm{UJ}^\mathrm{b}$	1.27	0.118	0.674	0.076	0.097	0.025					0.0733	$0.0331  \mathrm{J}$
ICPP-MON-A022	0.1 UJ	0.89	0.091	0.478	090.0	°							
LF 2-10	0.1 UJ	1.47	0.139	0.692	0.081							1	
LF 2-11	0.1 UJ	1.59	1.390	0.710	0.075	0.079	0.023	[	[				
LF 2-8	0.13 J	1.33	0.126	0.560	0.067					54.8	15.8	0.0742	$0.0336  \mathrm{J}$
LF 2-9	0.11 J	1.23	0.1111	999.0	0.069	0.028	0.012						
LF 3-10	0.12 J	1.66	0.142	0.788	0.080	0.065	0.021			36.9	11.4		
LF 3-8	0.1 J	1.33	0.116	0.674	0.069	0.037	0.015						
LF 3-8 (Dup)	0.12 J	1.39	0.127	0.728	0.078	0.069	0.026						
USGS-20	0.1 UJ	1.30	0.126	0.579	0.067			[	[			0.0472	0.0191 J
USGS-34	0.1 UJ	1.38	1.830	0.663	0.114			[	[				
USGS-35	0.1 UJ	1.60	0.224	0.600	0.120	0.146	0.057	1	1		1		
USGS-36	0.1 UJ	1.60	0.229	0.635	0.128								
USGS-37 (Dup)	0.1 UJ	1.27	0.172	0.538	0.101								
USGS-37	0.1 UJ	1.39	0.137	0.572	0.072					40.5	11.8		
USGS-38	0.1 UJ	1.39	0.133	0.774	0.086								
USGS-39	0.1 UJ	1.55	0.213	0.749	0.134								
USGS-40	0.1 UJ	1.37	0.135	0.731	0.085			9.25	2.52	6.89	18.1		
USGS-41	0.1 UJ	1.59	0.148	0.703	0.082	0.052	0.018 J	8.41	1.97				
USGS-42	0.1 UJ	1.47	0.138	0.708	0.807								
USGS-43	0.1 UJ	0.887	0.098	0.394	0.059	0.110	0.031						
USGS-44	0.36 J	1.43	0.135	908.0	0.088	0.0493	$0.0168  \mathrm{J}$						
USGS-45	0.1 UJ	1.37	0.137	0.566	0.072	0.0567	0.0194 J						

Table 2. (continued).

	-/+																					
Am-241	pCi/L	1																				
0	-/+	11.5			10.4		19.9		11.7 J										8.64			
K-40	pCi/L	44.8			34.3		59.9		40.5										34.60			
37	-/+		2.51	-	-	-	-									-	-	-	-			
Cs-137	pCi/L		10.6	1	1	1	1					1		1	1	1	1	1	1	1		
/236	-/+	0.036 J	0.0292 J	0.025					0.032	0.046 J	0.014 J			0.015 J		ĺ	0.018	ĺ	ĺ			
U-235/236	pCi/L	0.082	0.0703	0.091					0.062	0.125	0.038			0.036			0.059					
38	-/+	0.087	0.109	0.081	0.068	0.125	0.084	0.071	0.084	0.948	0.062	0.122	0.126	0.056	0.132	0.073	0.058	0.083	0.097	0.074	0.090	
U-238	pCi/L	0.440	0.736	0.691	0.252	0.710	0.770	0.613	0.443	0.481	0.532	0.610	0.851	0.383	0.836	0.614	0.469	0.379	0.474	0.619	0.828	
/234	-/+	0.178	0.187	0.155	0.118	0.202	0.153	0.134	0.156	0.165	0.103	0.226	0.191	0.078	0.185	0.124	0.108	0.119	0.160	0.147	0.153	
U-233/	pCi/L	1.37	1.62	1.66	0.646	1.52	1.66	1.43	1.19	1.21	1.05	1.61	1.59	0.648	1.39	1.27	1.12	0.705	1.10	1.57	1.67	
Mercury MCL=2 $\mu$ g/L	µg/L	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.13 J	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.12 J
	Well	USGS-46	USGS-47	USGS-48	USGS-51	USGS-52	USGS-57	USGS-59	29-SSSN	USGS-77	USGS-82	USGS-84	USGS-85	USGS-111	USGS-112	USGS-113	USGS-114	USGS-115	USGS-116	USGS-121	USGS-123	RINSE

a. All samples were analyzed for plutonium -238/240, plutonium-241, and neptunium-237; but all were nondetect. Nondetect analytes from gamma spectrometry analysis include antimony-125, cerium-144, Cs-134 and -137, cobalt -58 and -60, euorpium -152, -154, and -155, manganese-54, niobium-95, potassium -40, radium-226, ruthenium-103 and -110, zinc-65, and zirconium-95.

b. "U" indicates that an analyte was not detected. "J" indicates an estimated value. "UJ" indicates that the result is nondetectable at the reported value but the reported value is only an estimate.

c. —= not detected.

Table 3. Summary of tritium and chloride data from USGS and WAG 4 sampling in 2000.

Well	Date Sampled	Tritium (pCi/L)	+/- uncertainty	Chloride (mg/L)
CFA-MON-001	Aug-00	426	86.4	21.6
CFA-MON-002	Aug-00	1760	146	57.4
CFA-MON-003	Aug-00	830	101	43.5
LF 2-10	Oct-99	5600	600	34.66
LF 2-11	Aug-00	8930	578	140
LF 2-9	Aug-00	9810	633	117
LF 3-10	Aug-00	6930	454	93.8
LF 3-9	Oct-99	12100	1000	139.69
M11S	Oct-00	-200	220	17.73
M12S	Mar-00	1400	400	14.96
M13S	Oct-00	-280	220	5.6
M14S	Oct-00	1200	400	14.59
USGS-20	Jul-00	-60	220	20.75
USGS-34	Oct-99	1500	400	15.24
USGS-35	Oct-00	470	280	6.75
USGS-36	Oct-00	2300	400	37.81
USGS-37	Oct-99	8500	800	132.48
USGS-38	Oct-99	6600	800	158.41
USGS-39	Oct-00	400	280	6.46
USGS-40	Oct-99	1600	400	16.48
USGS-41	Oct-00	620	300	17.94
USGS-42	Oct-00	180	260	15
USGS-43	Oct-99	2100	400	21.52
USGS-44	Oct-99	30	260	14.78
USGS-45	Oct-00	290	280	16.19
USGS-46	Oct-99	950	340	15.22
USGS-47	Oct-99	1900	400	20.17
USGS-48	Oct-00	950	320	19.35
USGS-51	Oct-00	11700	1000	165.88
USGS-51 (Dup)	Oct-00	14000	1200	147.21
USGS-52	Oct-00	1500	400	24.96

Table 3. (continued).

Well	Date Sampled	Tritium (pCi/L)	+/- uncertainty	Chloride (mg/L)
USGS-57	Jan-00	6200	600	118.73
USGS-59	Oct-00	890	320	21.32
USGS-67	Oct-00	7800	800	148.03
USGS-77	Oct-00	1500	1200	143.23
USGS-82	Sep-00	-210	220	16.11
USGS-83	Aug-00	55.6	78.6	10.8 WAG 4
USGS-83	Apr-00	-110	100	10.13 USGS
USGS-84	Oct-99	1700	400	6.9
USGS-85	Oct-00	2900	400	34.92
USGS-104	Oct-00	1050	340	11.79
USGS-106	Oct-00	1110	180	14.03
USGS-107	Apr-00	-50	100	21.63
USGS-111	Oct-00	3600	600	97.61
USGS-112	Oct-00	4600	600	114.3
USGS-113	Oct-00	4500	600	170.5
USGS-115	Oct-00	1200	400	34.49
USGS-116	Oct-00	2600	400	94.78
USGS-121	Oct-00	-170	220	11.26
USGS-123	Sep-00	7100	800	75.61

## Appendix A

Water-Level Measurement Data and Borehole Deviation Correction Values

Table A-1. Water-level measurements for September 2000.

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or real same	well Allas	Area	Stickup(II)	BC Elev	Date	T	ia (duc	wi(πbmp) elev(πamsi)	Comment	Dev corr	Ag wi
ANL-M11	ANL-MON-A-11	AN	2.30	5118.69	9/21/00						
ANL-MON-A-012	ANL-MON-A-12	AN	1.60	5132.80	9/21/00						
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37	9/21/00					1	راسار
ANL-OBS-A-014	ANL-MON-AQ-14	ANL	8.	5120.99	9/21/00						
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	9/21/00	쏪	597.59	4451.15			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	9/21/00	<b>K</b>	589.87	4447.14			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	9/21/00	33	592.88	4446.98			
ARA-MON-A-003	ARA-MON-AD03A	ARA	2.67	5050.10	9/21/00	39	603.59	4449.18			
ARA-MON-A-004	0	ARA	2.40	5064.60	9/21/00	6	617.93	4449.07			
SITE-09	0	ARA	1.62	4926.03	9/21/00	47	474.64	4453.01			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	9/21/00	46	488.56	4450.01			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	9/21/00	46	485.66	4448.51			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31	9/21/00	46	484.69	4447.45			
LF2-10	0	CFA	1.35	4932.48	9/21/00	46	480.25	4453.58		-0.73	4454.31
LF2-11	0	CFA	1.35	4928.36	9/21/00	47	472.86	4456.85			
LF2-08	0	CFA	1.42	4931.72	9/21/00	47	479.11	4454.03		-2.95	4456.98
LF2-09	0	CFA	1.23	4932.23	9/21/00	46	481.89	4451.57		-5.72	4457.29
LF3-10	0	CFA	222	4942.62	9/21/00	4	487.78		repaired 1999 needs to be re-surveyed	ds to be re-sur	veyed
LF3-08	0	CFA	1.60	4940.22	9/21/00	46	489.36	4452.46		-4.77	4457.23
LF3-09	0	CFA	1.69	4941.08	9/21/00				under repair		
ICPP-MON-A-021	CPP-MA-21	CPP	1.75	4904.36							
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10							
USGS-020	0	ICPP	0.77	4916.36	9/21/00						
USGS-034	0	ICPP	1.07	4929.19	9/21/00	47	473.02	4457.24			
USGS-035	0	ICPP	1.55	4929.64	9/21/00	47	474.03	4457.16			
USGS-036	0	ICPP	1.18	4929.20	9/21/00	47	473.02	4457.36			
USGS-037	0	ICPP	1.22	4929.38	9/21/00	47	473.28	4457.32			
USGS-038	0	ICPP	1.33	4929.63	9/21/00	47	473.62	4457.34			
USGS-039	0	ICPP	1.23	4930.95	9/21/00	47	474.97	4457.21			
USGS-057	0	ICPP	1.92	4922.49	9/21/00	4E	467.34	4457.07			
USGS-077	0	ICPP	2.18	4921.79	9/21/00	4E	467.01	4456.96			
USGS-082	0	ICPP	1.58	4906.99	9/21/00						
USGS-085	0	ICPP	2.28	4939.26	9/21/00	₩	484.41	4457.13			
USGS-111	0	ICPP	2.27	4920.50	9/21/00	47	471.31	4451.46		-5.24	4456.70
USGS-112	0	ICPP	2.29	4927.84	9/21/00	47	475.34	4454.79		-2.61	4457.40
USGS-113	0	ICPP	2.34	4925.28	9/21/00	47	475.98	4451.64		-6.46	
USGS-114	0	ICPP	2.28	4920.09	9/21/00	4£	469.73	4452.64		7.4-	4457.34
USGS-115	0	ICPP	2.30	4918.84	9/21/00	4E	466.06	4455.08		-2.23	4457.31
USGS-116	0	ICPP	2.53	4916.03	9/21/00	4E	460.26	4458.30			
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10	9/21/00	9	612.59	4431.43			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80	9/21/00	79	641.35	4430.55			
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60							
RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70				1 1			
NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33							
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47							
NRF-MON-A-010	NRF-MA-10	NRF	3.27	4853.10							

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time	wl(ftbmp)	wl(ftbmp) elev(ftamsl)	Comment	Dev corr Adj wl
NRF-MON-A-011	NRF-MA-11	NRF	2.96	4850.73						
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83						
NRF-MON-A-013	NRF-MA-13	NRF	3.20	4843.59						
SITE 01 WATER TABLE	SITE-01A	OFF-BLR	2.11	5361.81						
PBF-MON-A-001	0	PBF	1.92	4906.15	9/21/00		443.54			
PBF-MON-A-003	0	PBF	1.85	4959.29	9/21/00		516.43	4444.71		
PBF-MON-A-004	0	PBF	2.72	4939.66	9/21/00		495.32			
PBF-MON-A-005	0	PBF	1.79	4976.13	9/21/00		508.19			
M10S	M10S	ш	1.46	5021.62	9/21/00		593.86			
M1SA	MO1S		. c.	5011 09	9/21/00		584 75			
SCA	MOSSA		159	5016.16	9/21/00		588 04			
M4D	M04D		193	5022 53	9/21/00		594 26			
Mes	MOBS	V4 (21/20)	. 8	5065.76	9/21/00					
MZS	M07S		2.76	5004.85	9/21/00		577.25	4430.36		
SOUTH-MON-A-001	M11		1.48	4994.19	9/21/00		563,66	ļ.		
SOUTH-MON-A-002	M12		1.75	4975.28	9/21/00		532.75			
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85	9/21/00		599.06			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46	9/21/00		604.08			
USGS-001	0	SOUTH	1.42	5022.71	9/21/00					
USGS-083	0	SOUTH	2.15	4941.59	9/21/00					
USGS-104	0	SOUTH	2.98	4988.65	9/21/00					
USGS-107	0	SOUTH	1.95	4917.50	9/21/00					
USGS-110	USGS-110A	SOUTH	2.53	4999.97	9/21/00					
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40	9/21/00		501.01			
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937.30	9/21/00		497.02	4442.63		
STF-MON-A-003	0	STF	2.05	4937.01	9/21/00		498.66	4440.40		
STF-MON-A-004	0	STF	2.16	4945.37	9/21/00		506.38	4441.15		
TAN-08	0	TAN	1.25	4790.37						
TAN-13A	0	TAN	1.79	4780.57						
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11						
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10						
PW-11	0	TRA	1.55	4916.49	9/21/00				n/a	
PW-12	0	TRA	1.24	4923.71	9/21/00					
PW-13	0	TRA	1.79	4923.82	9/21/00					
TRA-06	0	TRA	96.0	4920.14	9/21/00					
TRA-07	0	TRA	2.53	4931.56	9/21/00					
IRA-08	0	TRA	1.47	4934.93	9/21/00					
USGS-053	0	TRA	1.10	4922.14	9/21/00				DRY HOLE	
USGS-054	0	TRA	1.28	4920.94	9/21/00					
USGS-055	0	TRA	1.58	4919.15	9/21/00				n/a	
USGS-058	0	TRA	1.82	4918.37	9/21/00					
1000000	•		-							

Table A-2. Water-level measurements for October 2000.

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time	wl(ftbmp)	wl(ftbmp) elev(ftamsl)	Comment	Dev corr	Adj wl
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69	10/30/00		636.43	4484.56			
ANL-MON-A-012	ANL-MON-A-12	ANL	1.60	5132.80	10/30/00		649.34	4485.06			
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37	10/30/00		640.56	4483.10			
ANL-OBS-A-014	ANL-MON-AQ-14	ANL	9,1	5120.99	10/30/00		637.63	4484.36			
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	10/30/00		597.52	4451.22			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	10/30/00		589.9	4447.11			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	10/30/00		592.87	4446.99			
ARA-MON-A-003	ARA-MON-AD03A	ARA	2.67	5050.10	10/30/00		603.44	4449.33			
ARA-MON-A-004	0	ARA	2.40	5064.60	10/30/00		618.04				
SITE-09	0	ARA	1.62	4926.03	10/30/00		474.64	4453.01			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	10/30/00		488.79	4449.78	1		
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	10/30/00		485.29	4448.88			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31	10/30/00		484.96	4447.18			
LF2-10	0	CFA	1.35	4932.48	10/30/00		480.83	4453.00		-0.73	73 4453.73
LF2-11	0	CFA	1.35	4928.36	10/30/00		472.7	4457.01			
LF2-08	0	CFA	1.42	4931.72	10/30/00		479.56			-2.95	35 4456.53
LF2-09	0	CFA	1.23	4932.23	10/30/00		482.14	4451.32		-5.72	72 4457.04
LF3-10	0	CFA	222	4942.62	10/30/00		487.96		repaired 1990	3 needs to be	repaired 1999 needs to be re-surveyed
LF3-08	0	CFA	1.60	4940.22	10/30/00		489.33	4452.49	ž.	-4.77	77 4457.26
LF3-09	0	CFA	1.69	4941.08	10/30/00						
ICPP-MON-A-021	CPP-MA-21	CPP	1.75	4904.36							
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10							
USGS-020	0	ICPP	0.77	4916.36	10/30/00		462.76	4454.37			
USGS-034	0	ICPP	1.07	4929.19	10/30/00		473.44	4456.82			
USGS-035	0	ICPP	1.55	4929.64	10/30/00		474.54				
USGS-036	0	ICPP	1.18	4929.20	10/30/00		473.51				
USGS-037	0	ICPP	1.22	4929.38	10/30/00		473.54				
USGS-038	0	ICPP	1.33	4929.63	10/30/00		474.09				
USGS-039	0	OPP PP	1.23	4930.95	10/30/00		475.39				
USGS-057	0	ICPP	1.92	4922.49	10/30/00		467.71				
USGS-077	0	ICPP	2.18	4921.79	10/30/00		467.37				
USGS-082	0	ICPP	1.58	4906.99	10/30/00		450.18				
USGS-085	0	ICPP	2.28	4939.26	10/30/00		484.88				
USGS-111	0	ICPP	2.27	4920.50	10/30/00		471.99			-5.24	
USGS-112	0	ICPP	2.29	4927.84	10/30/00		475.86	4454.27		-2.61	
USGS-113	0	ICPP	2.34	4925.28	10/30/00		476.35	4451.27		-6.46	16 4457.73
USGS-114	0	ICPP	2.28	4920.09	10/30/00		472.28	4450.09		-4.7	
USGS-115	0	ICPP	2.30	4918.84	10/30/00		466.49	4454.65		-2.23	23 4456.88
USGS-116	0	ICPP	2.53	4916.03	10/30/00		460.61	4457.95			
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10	10/30/00		612.42	4431.60			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80	10/30/00				n/a		
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60	10/30/00		610.54	4431.95			
RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70					N/A		
NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33							
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47							
NRF-MON-A-010	NRF-MA-10	NRF	3.27	4853.10							

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time	wl(ftbmp)	wl(ftbmp) elev(ftamsl)	Comment	Dev corr	Adj w
NRF-MON-A-011	NRF-MA-11	NRF	2.96	4850.73		0.0000000000000000000000000000000000000					
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83							
NRF-MON-A-013	NRF-MA-13	NRF	3.20	4843.59							
SITE 01 WATER TABLE	SITE-01A	OFF-BLR	2.11	5361.81							
PBF-MON-A-001	0	PBF	1.92	4906.15	10/30/00		443.89	4464.18			
PBF-MON-A-003	0	PBF	1.85	4959.29	10/30/00		516.36	4444.78			
PBF-MON-A-004	0	PBF	2.72	4939.66	10/30/00		495.53	4446.85			
PBF-MON-A-005	0	PBF	1.79	4976.13	10/30/00		508.69	4469.23			
M10S	M10S	RWMC	1.46	5021.62	10/30/00		593.91	4429.17			
M1SA	M01S	RWMC	3.13	5011.09	10/30/00		584.87				
Mass	M03SA	RWMC	1.59	5016.16	10/30/00		587.97				
M4D	M04D	RWMC	1.93	5022.53	10/30/00		594.5				
Mes	WOES	RWMC	1.86	5065.76	10/30/00						
M7S	MO7S	RWMC	2.76	5004 85	10/30/00		577.24	4430.37			
SOUTH-MON-A-001	M11	RWMC	1.48	4994 19	10/30/00		563 83				
SOUTH-MON-A-002	M12	RWMC	175	4975 28	10/30/00		533.86				
SOUTH-MON-A-003	M13	RWMC	1 79	5026.85	10/30/00		599 41				
SOUTH-MON-A-004	M14	RWMC	2.78	5032 4B	10/30/00		BN4 19				
USGS-001		SOUTH	1.42	5022.71	10/30/00		588 37				
USGS-083		SOUTH	2.15	4941 59	10/30/00		499 53				
USGS-104	0	SOUTH	2.98	4988.65	10/30/00		557.56				
USGS-107	0	SOUTH	195	4917.50	10/30/00		481.79				
USGS-110	USGS-110A	SOUTH	2.53	4999.97	10/30/00		565.89				
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40	10/30/00				n/a		
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937.30	10/30/00				n/a		
STF-MON-A-003	0	STF	2.05	4937.01	10/30/00		498.09	4440.97			
STF-MON-A-004	0	STF	2.16	4945.37	10/30/00		506.56	4440.97			
TAN-08	0	TAN	1.25	4790.37	10/30/00		218.44	4573.18			
TAN-13A	0	TAN	1.79	4780.57	10/30/00		207.14	4575.22			
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11	10/30/00		205.46	4579.48			
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10	10/30/00		209.45				
PW-11	0	TRA	1.55	4916.49	10/30/00		112.79	4805.25			
PW-12	0	TRA	1.24	4923.71	10/30/00						
PW-13	0	TRA	1.79	4923.82	10/30/00						
TRA-06	0	TRA	96.0	4920.14	10/30/00		470.89	4450.21			
TRA-07	0	TRA	2.53	4931.56	10/30/00		476.96	4457.13			
TRA-08	0	TRA	1.47	4934.93	10/30/00		480.13				
USGS-053	0	TRA	1.10	4922.14	10/30/00				DRY HOLE		
USGS-054	0	TRA	1.28	4920.94	10/30/00		67.01	4855.21			
USGS-055	0	TRA	1.58	4919.15	10/30/00		77.62	4843.11			
USGS-058	0	TRA	1.82	4918.37	10/30/00		461.88	4458.31			
USGS-065	0	TRA	850	4925.01	10/30/00		466 62				
			)		11:11:						

Table A-3. Water-level measurements for November 2000.

																	co.	-																7	9	ي وي	0	0			access is above water tape is sticking not measured		access is above water tape is sticking not measured			
Adj wl														4453.80		4456.50	4456.83	e-surveye	4456.71															4456.17	4457.16	4457.76	4456.90	4456.8			is stickin		is stickin			
Dev corr									PIPE WET					-0.73		-2.95	-5.72	needs to be n	-4.77															-5.24	-2.61	-6.46	-4.7	-2.23			ve water tape		ve water tape			
Comment									ACCESS PIP									repaired 1999 needs to be re-surveyed	15	under repair																			time n/a		access is above		access is above			
wl(bbc)	8				595.24	90'.28	590.40	89.009		473.01	486.85	483.39	483.24	479.41	471.83	478.17	481.12		488.28				461.98	472.41	473.08	472.41	472.54	472.86	473.33	465.74	465.19	449.09	482.66	469.57	473.29	473.98	467.89	464.18		608.54		610.19				
wl(ftbmp) elev(ftamsl)					4451.26	4447.23	4447.00	4449.42		4453.02	4449.59	4448.85	4447.07	4453.07	4456.53	4453.55	4451.11		4451.94				4454.38	4456.78	4456.56	4456.79	4456.84	4456.77	4457.62	4456.75	4456.60	4457.90	4456.60	4450.93	4454.55	4451.30	4452.20	4454.66		4433.56		4431.41				
w((tpmb)					597.48	589.78	592.86	603.35		474.63	488.98	485.32	485.07	480.76	473.18	479.59	482.35	488.3	489.88				462.75	473.48	474.63	473.59	473.76	474.19	474.56	467.66	467.37	450.67	484.94	471.84	475.58	476.32	470.17	466.48		610.46		611.08				
Time					9:11	9:02	8:49	9:27		11:20	1350	1340	1330	1515	1530	1450	1500	1425	1435				1155	1608	1615	1550	1545	1540	1630	1126	1049	1142	1415	1113	1032	1041	1056	1103		1200		1215				
Date					11/22/00	11/22/00	11/22/00	11/22/00		11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00				11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00		11/22/00		11/22/00				
BC Elev	5118.69	5132.80	5120.37	5120.99	5046.50	5034.30	5037.40	5050.10	5064.60	4926.03	4936.44	4932.24	4930.31	4932.48	4928.36	4931.72	4932.23	4942.62	4940.22	4941.08	4904.36	4907.10	4916.36	4929.19	4929.64	4929.20	4929.38	4929.63	4930.95	4922.49	4921.79	4906.99	4939.26	4920.50	4927.84	4925.28	4920.09	4918.84	4916.03	5042.10	5068.80	5041.60	5043.70	4852.33	4853.47	4853.10
stickup(ft)	2.30	1.60	3.29	1.00	2.24	2.71	2.46	2.67	2.40	1.62	2.13	1.93	1.83	8.1	1.35	1.42	1.23	222	1.60	1.69	1.75	2.50	0.77	1.07	1.55	1.18	1.22	1.33	1.23	1.92	2.18	1.58	2.28	2.27	2.29	2.34	2.28	2.30	2.53	1.92	3.10	0.89	1.51	3.04	2.86	3.27
Area	ANL	ANL	ANL	ANL	ARA	ARA	ARA	ARA	ARA	ARA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CPP	CPP	ICPP	LSIT	LSIT	LSIT	LSIT	NRF	NRF	NRF																
Well Alias	ANL-MON-A-11	ANL-MON-A-12	ANL-MON-AQ-13	ANL-MON-AQ-14	ARA-COR-005	ARA-001	ARA-002	ARA-MON-AD03A	0	0	CFA-MON-001	CFA-MON-002	CFA-MON-003	0	0	0	0	0	0	0	CPP-MA-21	CPP-MA-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	LSIT TEST WELL	A11A31	RWMC-MA-65	RWMC-MA-66	NRF-MA-08	NRF-MA-09	NRF-MA-10
Well Name	ANL-M11	ANL-MON-A-012	ANL-MON-A-013	ANL-OBS-A-014	ARA-COR-A-005	ARA-MON-A-001	ARA-MON-A-002	ARA-MON-A-003	ARA-MON-A-004	SITE-09	CFA-MON-A-001	CFA-MON-A-002	CFA-MON-A-003	LF2-10	LF2-11	LF2-08	LF2-09	LF3-10	LF3-08	LF3-09	ICPP-MON-A-021	ICPP-MON-A-022	USGS-020	USGS-034	USGS-035	USGS-036	USGS-037	USGS-038	USGS-039	USGS-057	USGS-077	USGS-082	USGS-085	USGS-111	USGS-112	USGS-113	USGS-114	USGS-115	USGS-116	RWMC-PRO-A-064	RWMC-MON-A-013	RWMC-MON-A-065	RWMC-MON-A-066	NRF-MON-A-008	NRF-MON-A-009	NRF-MON-A-010

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Well Name	Well Alias	Area	ctickin(#)	Tall CH	a	a	Wilthman plewitamen		JUL DO	memmo	PAC COPP	200
NRF-MON-A-011	NRF-MA-11	NRF	2.96	4850.73	2				(5.5.5)			
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83								
NRF-MON-A-013	NRF-MA-13	NRF	3.20	4843.59								
SITE 01 WATER TA	SITE-01A	OFF-BLR	2.11	5361.81								
PBF-MON-A-001	0	PBF	1.92	4906.15	11/22/00	1010	443.76	4464.31	441.84			
PBF-MON-A-003	0	PBF	1.85	4959.29	11/22/00	941	515.96	4445.18	514.11			
PBF-MON-A-004	0	PBF	2.72	4939.66	11/22/00	1104	495.57	4446.81	492.85			
PBF-MON-A-005	0	PBF	1.79	4976.13	11/22/00	1025				wet access		
M10S	M10S	RWMC	1.46	5021.62						under construction	tion	
M1SA	M01S	RWMC	3.13	5011.09	11/22/00	1145	584.95	4429.27	581.82			
M3S	M03SA	RWMC	1,59	5016.16	11/22/00	1250	588.12	4429.63	586.53			
M4D	M04D	RWMC	1.93	5022.53	11/22/00	1235	594.97	4429.49	593.04			
M6S	MOGS	RWMC	1.86	5065.76						steel tape broke off in well in 1996	e off in well	n 1996
M7S	M07S	RWMC	2.76	5004.85	11/22/00	1305	577.32	4430.29	574.56			
SOUTH-MON-A-00	M11	RWMC	1.48	4994.19	11/22/00	1330	564.13	4431.54	562.65			
SOUTH-MON-A-000	M12	RWMC	1.75	4975.28	11/22/00	1355	533.92	4443.11	532.17			
SOUTH-MON-A-DD	M13	RWMC	1.79	5026.85	11/22/00	1340	599.22	4429.42	597.43			
SOUTH-MON-A-00	M14	RWMC	2.78	5032.46	11/22/00	1130	604.26	4430.98	601.48			
USGS-001	0	SOUTH	1.42	5022.71						wet access line	an.	
USGS-083	0	SOUTH	2.15	4941.59	11/22/00	1430	499.21	4444.53	497.06			
USGS-104	0	SOUTH	2.98	4988.65	11/22/00	1415	557.72	4433.91	554.74			
USGS-107	0	SOUTH	1.95	4917.50	11/22/00	1450	481.64	4437.81	479.69			
USGS-110	USGS-110A	SOUTH	2.53	4999.97	11/22/00	1505	565.82	4436.68	563.29			
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40	11/22/00	1143	501.03	4442.19	499.21			
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937,30	11/22/00	1130	497.45	4442.20	495.10			
STF-MON-A-003	0	STF	2.05	4937.01	11/22/00	1157	498.48	4440.58	496.43			
STF-MON-A-004	0	STF	2.16	4945.37	11/22/00	1223	506.56	4440.97	504.40			
TAN-08	0	TAN	1.25	4790.37								
TAN-13A	0	TAN	1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10								
P/W-11	0	TRA	1,55	4916.49	11/22/00	1420	113.05	4804.99	111.50			
PW-12	0	TRA	1.24	4923.71						time n/a		
PW-13	0	TRA	1.79	4923.82						time n/a		
TRA-06	0	TRA	96:0	4920.14	11/22/00	1245	470.76	4450.34	469.80			
TRA-07	0	TRA	2.53	4931.56	11/22/00	1235	476.78	4457.31	474.25			
TRA-08	0	TRA	1.47	4934.93	11/22/00	1315	480.04	4456.36	478.57			
USGS-053	0	TRA	1.10	4922.14	11/22/00	1330				dry		
USGS-054	0	TRA	1.28	4920.94	11/22/00	1345	71.18	4851.04	69.90			
USGS-055	0	TRA	1.58	4919.15	11/22/00	1405	461.79	4458.94	460.21			
USGS-058	0	TRA	1.82	4918.37								
USGS-065	0	TRA	0.58	4925.01	11/22/00	1255	466.44	4459.15	465.86			
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Table A-4. Water-level measurements for December 2000.

Adj wl	200													4453.96		4456.50	4456.75		4456.70															4456.16	4456.99	4457.97	4456.83	4456.69							
Dev corr									ss line					-0.73		-2.95	-5.72		-4.77															-5.24	-2.61	-6.46	-4.7	-2.23							
Comment									moisture in access line											under repair																							pipe not in water		
wl(bbc)	200				595.11	587.36	590.03	6900.59		472.82	486.73	483.33	483.09	479.25	472.29	478.17	481.20		488.29				462.02	472.45	473.01	472.33	471.60	472.69	474.42	465.67	465.03	449.20	482.66	469.58	473.46	473.77	467.96	464.38	458.16	610.65		610.31			
ev(flamsl)					4451.39	4446.95	4447.37	4449.51		4453.21	4449.71	4448.91	4447.22	4453.23	4456.07	4453.55	4451.03		4451.93				4454.34	4456.74	4456.63	4456.87	4457.78	4456.94	4456.53	4456.82	4456.76	4457.79	4456.60	4450.92	4454.38	4451.51	4452.13	4454.46	4457.87	4431.45		4431.29			
wl(ftbmp) elev(ftamsl)					597.35	90.06	592.49	603.26		474.44	488.86	485.26	484.92	480.6	473.64	479.59	482.43	488.29	489.89				462.79	473.52	474.56	473.51	472.82	474.02	475.65	467.59	467.21	450.78	484.94	471.85	475.75	476.11	470.24	466.68	460.69	612.57		611.2			
Time					1140	1125	1110	1215	1050	1245	1000	1015	1028	1001	1046	1018	953	931	944				1503	1203	1217	1148	1132	1118	1234	1449	1414	1332	915	1429	130	1310	1359	1349	1408	1200		1145			
Date					12/14/00	12/14/00	12/14/00	12/14/00	12/14/00	12/14/00	12/14/00	12/14/00	12/14/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00			12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/19/00	12/18/00		12/18/00			
BC Elev	5118.69	5132.80	5120.37	5120.99	5046.50	5034.30	5037.40	5050.10	5064.60	4926.03	4936.44	4932.24	4930.31	4932.48	4928.36	4931.72	4932.23	4942.62	4940.22	4941.08	4904.36	4907.10	4916.36	4929.19	4929.64	4929.20	4929.38	4929.63	4930.95	4922.49	4921.79	4906.99	4939.26	4920.50	4927.84	4925.28	4920.09	4918.84	4916.03	5042.10	5068.80	5041.60	5043.70	4852.33	7N 528N
stickup(ff)	2.30	1.60	3.29	1.00	2.24	2.71	2.46	2.67	2.40	1.62	2.13	1.93	1.83	1.35	1.35	1.42	1.23	222	1.60	1.69	1.75	2.50	0.77	1.07	1,55	1.18	1.22	1.33	1.23	1.92	2.18	1.58	2.28	2.27	2.29	2.34	2.28	2.30	2.53	1.92	3.10	0.89	1.51	3.04	30.0
Area	ANL	ANL	ANL	ANL	ARA	ARA	ARA	ARA	ARA	ARA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CPP	CPP	ICPP	CPP	CPP	CPP	GPP	ICPP	ICPP	ICPP	ICPP	LSIT	LSIT	LSIT	LSIT	RF	HON HON								
Well Alias	ANL-MON-A-11	ANL-MON-A-12	ANL-MON-AQ-13	ANL-MON-AQ-14	ARA-COR-005	ARA-001	ARA-002	ARA-MON-AD03A	0	0	CFA-MON-001	CFA-MON-002	CFA-MON-003	0	0	0	0	0	0	0	CPP-MA-21	CPP-MA-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	LSIT TEST WELL	A11A31	RWMC-MA-65	RWMC-MA-66	NRF-MA-08	NDE MA DO
Well Name	ANL-M11	ANL-MON-A-012	ANL-MON-A-013	ANL-OBS-A-014	ARA-COR-A-005	ARA-MON-A-001	ARA-MON-A-002	ARA-MON-A-003	ARA-MON-A-004	SITE-09	CFA-MON-A-001	CFA-MON-A-002	CFA-MON-A-003	LF2-10	LF2-11	LF2-08	LF2-09	LF3-10	LF3-08	LF3-09	ICPP-MON-A-021	ICPP-MON-A-022	USGS-020	USGS-034	USGS-035	USGS-036	USGS-037	USGS-038	USGS-039	USGS-057	USGS-077	USGS-082	USGS-085	USGS-111	USGS-112	USGS-113	USGS-114	USGS-115	USGS-116	RWMC-PRO-A-064	RWMC-MON-A-013	RWMC-MON-A-065	RWMC-MON-A-066	NRF-MON-A-008	NRF-MON-A-009

Table A-4. (continued).

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time	wl(ftbmp)	wl(flbmp) elev(flamsl) wl(bbc)	(wl(bbc)	Comment	Dev corr	Adj w
NRF-MON-A-010	NRF-MA-10	NRF	3.27	4853.10								
NRF-MON-A-011	NRF-MA-11	NRF	2.96	4850.73								
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83								
NRF-MON-A-013	NRF-MA-13	NRF	3.20	4843.59								
SITE 01 WATER TABLE	SITE-01A	OFF-BLR	2.11	5361.81								
PBF-MON-A-001	0	PBF	1.92	4906.15	12/14/00	1204	443.84	4464.23	441.92			
PBF-MON-A-003	0	PBF	- 86.	4959.29	12/14/00	1230	516.09	4445.05	514.24			
PBF-MON-A-004	0	PBF	2.72	4939.66	12/14/00	1240		4447.11	492.55			
PBF-MON-A-005	0	PBF	1.79	4976.13	12/14/00	1215				access wet		
M10S	M10S	RWMC	1.46	5021.62	12/18/00					under repair		
M1SA	M01S	RWMC	3.13	5011.09	12/18/00	1115	585.43	4428.79	582.30			
M3S	M03SA	RWMC	1.59	5016.16	12/18/00	1220						
M4D	M04D	RWMC	1.93	5022.53	12/18/00	1130						
Mes	MOGS	RWMC	1.88	5065.76	12/18/00					plugged		
M7S	M07S	RWMC	2.76	5004.85	12/18/00	1240	577.49	4430.12	574.73			
SOUTH-MON-A-001	M11		1.48	4994.19	12/18/00	1300	564.47	4431.20				
SOUTH-MON-A-002	M12		1.75	4975.28	12/18/00	1335	534.32		532.57			
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85	12/18/00	1320			597.74			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46	12/18/00	1100	604.52	4430.72	601.74			
USGS-001	0	SOUTH	1.42	5022.71	12/18/00	1525	588.43	4435.70	587.01			
USGS-083	0	SOUTH	2.15	4941.59	12/18/00	1420		4443.83	497.76			
USGS-104	0	SOUTH	2.98	4988.65	12/18/00	1400			554.98			
USGS-107	0	SOUTH	1.95	4917.50	12/18/00	1440	481.84		479.89			
USGS-110	USGS-110A	SOUTH	2.53	4999.97	12/18/00	1500	565.79	4436.71				
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40	12/14/00	1315	500.95	4442.27	499.13			
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937,30	12/14/00	1300	496.94	4442.71	494.59			
STF-MON-A-003	0	STF	2.05	4937.01	12/14/00	1330	498.4	4440.66				
STF-MON-A-004	0	STF	2.16	4945.37	12/14/00	1345	506.39	4441.14	504.23			
TAN-08	0	TAN	1.25	4790.37								
TAN-13A	0	TAN	1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10								
PW-11	0	TRA	1.55	4916.49	12/20/00	1256	112.76	4805.28	111.21			
PW-12	0	TRA	1.24	4923.71	12/20/00							
PW-13	0	TRA	1.79	4923.82	12/20/00							
TRA-06	0	TRA	96.0	4920.14	12/20/00	1121	471.01	4450.09	470.05			
TRA-07	0	TRA	2.53	4931.56	12/20/00	1057	476.95	4457.14				
TRA-08	0	TRA	1.47	4934.93	12/20/00	1152	480.06	4456.34	478.59			
USGS-053	0	TRA	1.10	4922.14	12/20/00					dry		
USGS-054	0	TRA	1.28	4920.94	12/20/00	1229	75.49	4846.73	74.21			
USGS-055	0	TRA	1.58	4919.15	12/20/00	1307	79.52	4841.21	77.94			
USGS-058	0	TRA	1.82	4918.37	12/20/00	1240						
1000000	_	TRA	0.58	4925.01	12/20/00	1130	466.39	4459.20	465.81			

Table A-5. Water-level measurements for January 2001.

Well Name	Well Alias	Area	stickup(ft)	BC FIEV	Date	Ime	(dwam)m	wl(ttpmp) elev(ttamsl)	(ppc)	Comment	Dev corr	JAN 100
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69					_			
ANL-MON-A-012	ANL-MON-A-12	ANL	1.60		-							
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29		7							
ANL-0BS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99	9							
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	J 18-Jan-01	824	597.39	4451.35	595.15	LC.		
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	J 18-Jan-01	812			586.99	-		
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	J 18-Jan-01	88	592.73	4447.13	590.27			
ARA-MON-A-003	ARA-MON-AD03A	ARA	2.67	5050.10	J 18-Jan-01	844		4449.39				
ARA-MON-A-004	0	ARA	2.40	5064.60	J 18-Jan-01					wet access		
SITE-09	0	ARA	1.62		3 18-Jan-01	1002	474.49	4453.16	472.87			
CFA-MON-A-001	CFA-MON-001	CFA	2.13		4936.44 18-Jan-01	1123	489.29	SIS.		100		
CFA-MON-A-002	CFA-MON-002	CFA	1.93		4932.24 18-Jan-01	1116	486.65	4447.52		C'		
CFA-MON-A-003	CFA-MON-003	CFA	1.83		4930.31 18-Jan-01	1110	485.4					
LF2-10	0	CFA	1.35	4932.48	3 18-Jan-01	1244	480.76				-0.73	3 4453.80
LF2-11	0	CFA	1.35		4928.36 18-Jan-01	1300				pabbnid		
LF2-08	0	CFA	1.42		4931.72 18-Jan-01	1251	479.86		478.44		-2.94	5 4456.23
LF2-09	0	CFA	1.23		4932.23 18-Jan-01	1238	482.52	4450.94	481.29	E-	-5.72	100018
LF3-10	0	CFA	555	4942.6;	4942.62 18-Jan-01	1221	488.56					
LF3-08	0	CFA	1.60		4940.22 18-Jan-01	1227	488.8	4453.02	487.20		-4.77	7 4457.79
LF3-09	0	CFA	1.69	4941.08	3 18-Jan-01					repair		
ICPP-MON-A-021	CPP-MA-21	CPP	1.75	4904.36	0.0							
ICPP-MON-A-022	CPP-MA-22	CPP	2.50									
USGS-020	0	ICPP	0.77		5 18-Jan-01	1524			462.16			
USGS-034	0	ICPP	1.07		4929.19 18-Jan-01	1327	473.74	4456.52	472.67	1		
USGS-035	0	ICPP	1.55		4929.64 18-Jan-01	1336	474.88	4456.31	473.33	CC.		
USGS-036	0	ICPP	1.18		4929.20 18-Jan-01	1322			472.63			
USGS-037	0	ICPP	1.22		4929.38 18-Jan-01	1316	473.59	4457.01	472.37	_		
USGS-038	0	ICPP	1.33		4929.63 18-Jan-01	1308	474.38	4456.58	473.05			
USGS-039	0	ICPP	1.23		4930.95 18-Jan-01	1343		4456.91		<b>*</b>		
USGS-057	0	ICPP	1.92		4922.49 18-Jan-01	1354	467.99	4456.42	466.07	_		
USGS-077	0	ICPP	2.18		4921.79 18-Jan-01	1427	467.63		465.45			
USGS-082	0	ICPP	1.58		4906.99 18-Jan-01	1459						
USGS-085	0	ICPP	2.28		4939.26 18-Jan-01	1213						
USGS-111	0	ICPP	2.27		4920.50 18-Jan-01	1404	471.89		469.62	2	-5.24	4 4456.12
USGS-112	0	ICPP	2.29		4927.84 18-Jan-01	1411	475.57	4454.56	473.28	00	-2.61	1 4457.17
USGS-113	0	ICPP	2.34		4925.28 18-Jan-01	1419	476.57	4451.05	474.23	00	-6.46	5 4457.51
USGS-114	0	ICPP	2.28		4920.09 18-Jan-01	1438	470.62	4451.75	468.34	-	7.4-	7 4456.45
USGS-115	0	ICPP	2.30		4918.84 18-Jan-01	1447	466.53	4454.61	464.23	m	-2.23	3 4456.84
JSGS-116	0	ICPP	2.53	4916.03	3 18-Jan-01	1511	460.73	4457.83	458.20			
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10	J 19-Jan-01	1234	612.44			2		
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80	J 19-Jan-01					repair		
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60	J 19-Jan-01	1229	611.08	4431.41	610.19			
RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70	J 19-Jan-01					repair		
NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33								
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47	7							
NOE MON A 010	NRF-MA-10	NRF	3.27	4853.10								

Table A-5. (continued).

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Ime	wl(ftpmp)	wl(ftbmp) elev(ftamsl)	wl(bbc)	Comment	Dev corr	Adj w
NRF-MON-A-011	NRF-MA-11	NRF	2.96	4850.73								
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83								
NRF-MON-A-013	NRF-MA-13	NRF	3.20	4843.59								
SITE 01 WATER TABLE	SITE-01A	OFF-BLR	2.11	5361.81								
PBF-MON-A-001	0	PBF	1.92	4906.15	18-Jan-01	945	444.36	4463.71	442.44			
PBF-MON-A-003	0	PBF	1.85	4959.29	18-Jan-01	88	516.12	4445.02	514.27			
PBF-MON-A-004	0	PBF	2.72	4939.66	18-Jan-01	808	495.46	4446.92	492.74			
PBF-MON-A-005	0	PBF	1.79	4976.13	18-Jan-01	933				wet access		
M10S	M10S	RWMC	1.46	5021.62	19-Jan-01					repair		
M1SA	M01S	RWMC	3.13	5011.09	19-Jan-01	1207	585.12	4429.10	581.99			
M3S	M03SA	RWMC	1.59	5016.16	19-Jan-01	1251	588.18	4429.57	586.59			
M4D	M04D	RWMC	1.93	5022.53	19-Jan-01	1218	595.07	4429.39	593.14			
M6S	MOGS	RWMC	1.86	5065.76	19-Jan-01					repair		
M7S	M07S	RWMC	2.76	5004.85	19-Jan-01	1338	577.28	4430.33	574.52			
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19	19-Jan-01	1357	564.08	4431.59	562.60			
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28	19-Jan-01	1435	532.61	4444.42	530.86			
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85	19-Jan-01	1415	599.02	4429.62	597.23			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46	19-Jan-01	1149	604.29	4430.95	601.51			
USGS-001	0	SOUTH	1.42	5022.71	19-Jan-01	1629				wet access		
USGS-083	0	SOUTH	2.15	4941.59	19-Jan-01	1527	499.42	4444.32	497.27			
USGS-104	0	SOUTH	2.98	4988.65	19-Jan-01	1504	557.44	4434.19	554.46			
USGS-107	0	SOUTH	1.95	4917.50	19-Jan-01	1547	481.69	4437.76	479.74			
USGS-110	USGS-110A	SOUTH	2.53	4999.97	19-Jan-01	1608	565.79	4436.71	563.26			
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40	18-Jan-01	1023	501.17	4442.05	499.35			
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937.30	18-Jan-01	1013	497.49	4442.16	495.14			
STF-MON-A-003	0	STF	2.05	4937.01	18-Jan-01	1032	498.39	4440.67	496.34			
STF-MON-A-004	0	STF	2.16	4945.37	18-Jan-01	1045	506.63	4440.90	504.47			
TAN-08	0	TAN	1.25	4790.37								
TAN-13A	0		1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10								
PW-11	0	TRA	1.55	4916.49	19-Jan-01	926	112.46	4805.58	110.91			
PW-12	0	TRA	1.24	4923.71	19-Jan-01							
PW-13	0	TRA	1.79	4923.82	19-Jan-01							
TRA-06	0	TRA	96.0	4920.14	19-Jan-01					snow		
TRA-07	0	TRA	2.53	4931.56	19-Jan-01					snow		
TRA-08	0	TRA	1.47	4934.93	19-Jan-01					snow		
USGS-053	0	TRA	1.10	4922.14	19-Jan-01	934				dry		
USGS-054	0	TRA	1.28	4920.94	19-Jan-01	939				wet access		
USGS-055	0	TRA	1.58	4919.15	19-Jan-01	1001	80.38	4840.37	78.78			
USGS-058	0	TRA	1.82	4918.37	19-Jan-01	947				access wet		
LISGS-D65	0	TRA	0.58	4925.01	19-Jan-01					Snow		

Table A-6. Water-level measurements for February 2001.

				- C									
Well Name	Well Alias	Area	stickup(ft)	_	Date	Time	wl(ftpmp)	wl(ftbmp) elev(ftamsl)	wl(bbc)	Comment	Maintenance	Dev corr	Adj wl
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69									8
ANL-MON-A-012	ANL-MON-A-12	ANL	1.60										
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37									
ANL-0BS-A-014	ANL-MON-AQ-14	ANL	1.00										
ARA-COR-A-005	ARA-COR-005	ARA	2.24		27-Feb-01	915	596.69	4452.05	594.45				
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30						no access			
ARA-MON-A-002	ARA-002	ARA	2.46		27-Feb-01	900	592.78	4447.08					
ARA-MON-A-003	ARA-MON-A003A	ARA	2.67		27-Feb-01	940	602.99		600.32		box repair/does not lock		
ARA-MON-A-004	0	ARA	2.40	5064.60						no access			
SITE-09	0	ARA	1.62	4926.03	27-Feb-01	1200	474.55	4453.10	472.93				
CFA-MON-A-001	CFA-MON-001	CFA	2.13		4936.44 27-Feb-01	1355	489.17	4449.40	487.04				
CFA-MON-A-002	CFA-MON-002	CFA	1.93		4932.24 27-Feb-01	1343		4447.59	484.65				
CFA-MON-A-003	CFA-MON-003	CFA	1.83		4930.31 27-Feb-01	1321	485.24	4446.90	483.41				
LF2-10	0	CFA	1.35	4932.48	27-Feb-01	1515	480.83	4453.00	479.48			-0.73	4453.73
LF2-11	0	CFA	1.35		27-Feb-01	1410	474.25	4455.46	472.90		box repair/does not lock		
LF2-08	0	CFA	1.42	4931.72		1530	479.98	4453.16	478.56			-2.95	4456.11
LF2-09	0	CFA	1.23	4932.23	27-Feb-01	1500	482.66	4450.80	481.43			-5.72	
LF3-10	0	CFA	222	4942.62						need surveyed	B.C. Elev./pad/posts		
LF3-08	0	CFA	1.60	4940.22	27-Feb-01	1445	490.2	4451.62	488.60			-4.77	4456.39
LF3-09	0	CFA	1.69	00.						under repair	major repair/unlocked		
ICPP-MON-A-021	CPP-MA-21	CPP	1.75	30.7							•		
ICPP-MON-A-022	CPP-MA-22	CPP	2.50										
USGS-020	0	ICPP	0.77							no access			
USGS-034	0	ICPP	1.07										
USGS-035	0	ICPP	1.55	1,000,10						no access			
USGS-036	0	ICPP	1.18		28-Feb-01	938	473.86	4456.52	472.68				
USGS-037	0	ICPP	1.22	1775	28-Feb-01	914	473.54		472.32				
USGS-038	0	ICPP	1.33		4929.63 28-Feb-01	920	474.41	4456.55	473.08				
USGS-039	0	ICPP	1.23										
USGS-057	0	ICPP	1.92		4922.49 28-Feb-01	1001	468.08		466.16				
USGS-077	0	ICPP	2.18	4921.79	28-Feb-01	1041	467.68						
USGS-082	0	ICPP	1.58		28-Feb-01	1307	451.16						
USGS-085	0	ICPP	2.28		28-Feb-01	1430	485.26		482.98				
USGS-111	0	ICPP	2.27		28-Feb-01	1248	472.2		469.93			-5.24	:83
USGS-112	0	ICPP	2.29	4927.84	28-Feb-01	1017	475.94	4454.19	473.65			-2.61	4456.80
USGS-113	0	ICPP	2.34		28-Feb-01	1029	476.59		474.25			-6.46	
USGS-114	0	ICPP	2.28		28-Feb-01	1057	470.6					-4.7	4456.47
USGS-115	0	ICPP	2.30	4918.84		1113	466.48	4454.66	464.18			-2.23	4456.89
USGS-116	0	ICPP	2.53	4916.03	28-Feb-01	1328	461.19	4457,37	458.66				
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10						no access			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80						no access	access pipe lowered		
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60						no access	access pipe lowered		
RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70						no access			
NRF-MON-A-008	NRF-MA-08	NRF	3.04										
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47									
NRF-MON-A-010	NRF-MA-10	NRF	3.27	4853.10	4, 22.2								

Table A-6. (continued).

Well Name	Well Alias	Area	stickup(ff)	BC Elev Date	Time	wl(ftbmp)	wi(ftbmp) elev(ftamsi)	wl(bbc)	Comment	Maintenance	Dev corr	Adi w
NRF-MON-A-011	NRF-MA-11	NRF	2.96	_								
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83								
NRF-MON-A-013	NRF-MA-13	NRF	3.20	4843.59								
SITE 01 WATER TABLE	SITE-01A	OFF-BLR	2.11	5361.81								
PBF-MON-A-001		PBF	1.92	4906.15 27-Feb-01	1100	444.28	4463.79	442.36				
PBF-MON-A-003	0	PBF	1.85	4959.29 27-Feb-01	1030		4445.40	513.89				
PBF-MON-A-004	0	PBF	2.72	4939.66 27-Feb-01	1115	495.39	4446.99	492.67				
PBF-MON-A-005	0	PBF	1.79	4976.13					no access			
M10S	M10S	RWMC	1.46	5021.62					under repair			
M1SA	M01S	RWMC	3.13	5011.09 26-Feb-01	1100	585.36	4428.86	582.23				
M3S	MO3SA	RWMC	1.59	5016.16 26-Feb-01	1140	11)	4429.40	586.76				
M4D	M04D	RWMC	1.93	5022.53 26-Feb-01	1115		4429.26	593.27				
M6S	MOGS	RWMC	1.86	5065.76					plugged			
M7S	M07S	RWMC	2.76	5004.85					no access			
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19					no access			
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28 26-Feb-01	1220	533.91	4443.12	532.16				
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85					no access			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46				_	no access			
USGS-001	0	SOUTH	1.42	5022.71 26-Feb-01	1340	588.62	4435.51	587.20				
USGS-083	0	SOUTH	2.15	4941.59 28-Feb-01	1509	499.37	4444.37	497.22				
USGS-104	0	SOUTH	2.98	4988.65 28-Feb-01	1533	557.26	4434.37	554.28				
USGS-107			1.95	4917.50				_	no access			
USGS-110	USGS-110A	SOUTH	2.53	4999.97				_	no access			
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40 27-Feb-01	1218	501.08	4442.14	499.26				
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937.30				_	no access			
STF-MON-A-003	0		2.05	4937.01 27-Feb-01	1231	500.27	4438.79	498.22				
STF-MON-A-004	0		2.16	4945.37					no access			
TAN-08	0		1.25	4790.37								
TAN-13A	0	TAN	1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
'ANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10								
PW-11	0	TRA	1.55	4916.49 28-Feb-01	1433	112.37	4805.67	110.82				
PW-12	0	TRA	1.24	4923.71								
PW-13	0	TRA	1.79	4923.82								
IRA-06	0	TRA	96.0	4920.14				_	no access			
TRA-07	0	TRA	2.53	4931.56				_	no access			
TRA-08	0	TRA	1.47	4934.93					no access			
USGS-053	0		1.10	4922.14 28-Feb-01	1350 dry	dry						
USGS-054	0	TRA	1.28	4920.94 28-Feb-01	1407	73.12	4849.10	71.84				
USGS-055	0	TRA	1.58	4919.15 28-Feb-01	1440		4841.14	78.01				
USGS-058	0	TRA	1.82	4918.37 28-Feb-01	1428	462.04	4458.15	460.22				
USGS-065	0		0.58						no access			
USGS-121		INTEC	1.82	4909.65 28-Feb-01	1614		4456.39	453.26		stick-up/elev.	7.5	4457.89
USGS-127		CFA		4956.44 27-Feb-01	138	508.83	4447.61	508.83		stick-up/elev.		

Table A-7. Water-level measurements for March 2001.

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time	wl(ftbmp)	wl(ftbmp) elev(ftamsl)	wl(bbc)	Comment	Dev corr	Adj wl
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69				8	8			8
ANL-MON-A-012	ANL-MON-A-12	ANL	1.60	5132.80								
ANL-MON-A-013		ANL	3.29	5120.37								
ANL-0BS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99								
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	29-Mar-01	1330	597.42	4451.32	595.18			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	29-Mar-01	1315	589.75					
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	29-Mar-01	130	592.79	4447.07	590.33			
ARA-MON-A-003	N-A003	ARA	2.67	5050.10		1340	603.37		600.70			
ARA-MON-A-004	0	ARA	2.40	5064.60	29-Mar-01	1350				Moisture in access		
SITE-09	0	ARA	1.62	4926.03	29-Mar-01	1400	474.5	4453.15	472.88			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44		1145	489.06		486.93			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	30-Mar-01	1130	485.47	4448.70	483.54			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31	30-Mar-01	1120	485.13	4447.01	483.30			
LF2-10	0	CFA	1.35	4932.48	30-Mar-01	1310	480.89	4452.94	479.54		-0.73	3 4453.67
LF2-11	0	CFA	1.35	4928.36						no access		
LF2-08	0	CFA	1.42	4931.72	30-Mar-01	1305	479.99	4453.15	478.57	-	-2.95	5 4456.10
LF2-09	0	CFA	1.23	4932.23	30-Mar-01	1255	482.74				-5.72	1 23
LF3-10	0	CFA	222	4942.62						need BC		
LF3-08	0	CFA	1.60	4940.22	30-Mar-01	1240	490.3	4451.52	488.70	+	-4.77	7 4456.29
LF3-09	0	CFA	1.69	4941.08						under repair		
ICPP-MON-A-021	CPP-MA-21	CPP	1.75	4904.36								
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
USGS-020	0	ICPP	77.0	4916.36	29-Mar-01	1654	462.64	4454.49	461.87			
USGS-034	0	ICPP	1.07	4929.19	29-Mar-01	1340	473.86	4456.40	472.79			
USGS-035	0	ICPP	1.55	4929.64	29-Mar-01	1359	475.02	4456.17	473.47			
USGS-036	0	ICPP	1.18	4929.20	29-Mar-01	1330	473.94	4456.44	472.76			
USGS-037	0	ICPP	1.22	4929.38	29-Mar-01	1320	474.17	4456.43	472.95			
USGS-038	0	ICPP	1.33	4929.63	29-Mar-01	1320	474.54	4456.42	473.21			
USGS-039	0	ICPP	1.23	4930.95	29-Mar-01	1405	475.8	4456.38	474.57			
USGS-057	0	ICPP	1.92	4922.49		1411	468.14		466.22			
USGS-077	0	ICPP	2.18	4921.79	29-Mar-01	1443	467.8	4456.17	465.62			
USGS-082	0	ICPP	1.58	4906.99	29-Mar-01	1514	451.16	4457.41	449.58			
USGS-085	0		2.28	4939.26		1225	485.33					
USGS-111	0	ICPP	2.27	4920.50	29-Mar-01	1418	472.32	4450.45	470.05		-5.24	4 4455.69
USGS-112	0	ICPP	2.29	4927.84	29-Mar-01	1428	476.23	4453.90	473.94		-2.61	1 4456.51
USGS-113	0	ICPP	2.34	4925.28	29-Mar-01	1435	476.73	4450.89	474.39		-6.46	6 4457.35
USGS-114	0	ICPP	2.28	4920.09	29-Mar-01	1448	470.55	4451.82	468.27		-4.7	7 4456.52
USGS-115	0	ICPP	2.30	4918.84	29-Mar-01	1457	466.86	4454.28	464.56		-2.23	
USGS-116	0	ICPP	2.53	4916.03	29-Mar-01	1504	461.04	4457.52				
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10								
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80								
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60								
RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70								
NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33								
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47								
NRF-MON-A-010	NRF-MA-10	NRF	3.27	4853.10								

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time	wl(ftbmp)	wl(ftbmp) elev(ftamsl)	wl(bbc)	Comment	Dev corr	Adj wl
NRF-MON-A-011	NRF-MA-11	NRF	2.96	4850.73								800
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83								
NRF-MON-A-013	NRF-MA-13	NRF		4843.59								
SITE 01 WATER TABLE	E SITE-01A	OFF-BLR	2.11	5361.81								
PBF-MON-A-001		) PBF	1.92	4906.15	29-Mar-01	1201	444.19	4463.88	442.27			
PBF-MON-A-003	J	) PBF	1.85	4959.29 29-Mar-01	39-Mar-01	1352				STUCK 560		
PBF-MON-A-004	0	) PBF	2.72	4939.66 2	29-Mar-01	1220	495.4	4446.98	492.68			
PBF-MON-A-005	٠	) PBF	1.79	4976.13 2	29-Mar-01	1230	508.93	4468.99	507.14			
M10S	M10S	RWMC	1.46	5021.62						new locks		
M1SA	M01S	RWMC	3.13	5011.09						new locks		
M3S	M03SA	RWMC	1.59	5016.16						new locks		
M4D	M04D	RWMC	1.93	5022.53						new locks		
M6S	MOGS	RWMC	1.86	5065.76						new locks		
M7S	M07S	RWMC	2.76	5004.85						new locks		
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19						new locks		
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28						new locks		
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85						new locks		
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46						new locks		
USGS-001	0	3 SOUTH	1.42	5022.71	30-Mar-01	915	588.63	4435.50	587.21			
USGS-083	0	) SOUTH	2.15	4941.59 3	30-Mar-01	1040	499.47		497.32			
USGS-104	0	3 SOUTH	2.98	4988.65	30-Mar-01	1020	557.59	4434.04	554.61			
USGS-107	0	) SOUTH	1.95	4917.50 3	30-Mar-01	1000	481.94	4437.51	479.99			
USGS-110	USGS-110A	SOUTH	2.53		30-Mar-01	930	565.81		563.28			
STF-MON-A-01A	STF-MON-01A	STF	1.82		29-Mar-01	1430	501.08		499.26			
STF-MON-A-02A	STF-MON-02A	STF	2.35		29-Mar-01	1415	497.36		495.01			
STF-MON-A-003		O STF	2.05		29-Mar-01	1440	498.46		496.41			
STF-MON-A-004			2.16		29-Mar-01	1500	506.58	4440.95	504.42			
TAN-08			1.25	4790.37								
TAN-13A	0		1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002		2.70	4784.10								
PW-11	0		1.55	4916.49	30-Mar-01	1619	112.12	4805.92	110.57			
PW-12	0		1.24		30-Mar-01					NO ACCESS		
PW-13	0		1.79	4923.82	30-Mar-01					NO ACCESS		
TRA-06	0	) TRA	96.0	4920.14 3	30-Mar-01	1538	472.34	4448.76	471.38			
TRA-07		) TRA	2.53	4931.56	30-Mar-01	1531	477.26	4456.83	474.73			
TRA-08	0	) TRA	1.47	4934.93	30-Mar-01	1551	480.46	4455.94	478.99			
USGS-053	0	) TRA	1.10	4922.14 3	30-Mar-01	1602	DRY					
USGS-054	0	) TRA	1.28	4920.94 3	30-Mar-01	1606	70.9	4851.32	69.62			
USGS-055	0	) TRA	1.58	4919.15 3	30-Mar-01	1623	79.47	4841.26	77.89			
USGS-058	J	) TRA	1.82	4918.37	30-Mar-01	1613	461.38	4458.81	459.56			
USGS-065	J	0 TRA	0.58	4925.01 30-Mar-01	30-Mar-01	1544	466.6		466.02			
USGS-121		0 INTEC	1.82	4909.65	30-Mar-01	1640	455.16		453.34		-1.5	4457.81
FC7 0000		* L C										

Table A-8. Water-level measurements for April 2001.

Well Name	well Allas	Area	stickup(ft)	BC Elev	Date	Ime	(dwan)w	wi(tromp) elevitramsi)	(ppc)	Comment	Dev corr	Adj elev
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69	20-Apr-01	840	637.55	4483.44	635.25			
ANL-MON-A-012	ANL-MON-A-12	ANL	1.60	5132.80	20-Apr-01	855	638.81	4495.59	637.21			
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37	20-Apr-01	915	650.82	4472.84	647.53			
ANL-OBS-A-014	ANL-MON-AQ-14	ANL	1.0	5120.99	20-Apr-01	908	640.24	4481.75	639.24			
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	19-Apr-01	828	599.75	4448.99	597.51			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	19-Apr-01	849	592.01	4445.00	589.31			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	19-Apr-01	841	594.97	4444.89	592.51			
ARA-MON-A-003	ARA-MON-A003A	ARA	2.67	5050.10	19-Apr-01	910	605.67	4447.10	603.00			
ARA-MON-A-004	0	ARA	2.40	5064.60	19-Apr-01					wet access		
SITE-09	0	ARA	1.62	4926.03	19-Apr-01	1018	475.27	4452.38	473.65			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	19-Apr-01	1200	489.59	4448.98	487.46			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	19-Apr-01	1215	486.12	4448.05	484.19			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31	19-Apr-01	1230	485.72	4446.42	483.89			
		CFA	1.35	4932.48	19-Apr-01	1320	481.59	4452.24	480.24		-0.73	4452.97
	0	CFA	1.35	4928.36	19-Apr-01	1340	474.81	4454.90	473.46			
	0	CFA	1.42	4931.72	19-Apr-01	1330	480.71	4452.43	479.29		-2.95	4455.38
	0	CFA	1.23	4932.23	19-Apr-01	1310	483.45	4450.01	482.22		-5.72	4455.73
	0	CFA	222	4942.62	19-Apr-01					no mp		
	0	CFA	1.60	4940.22	19-Apr-01	1300	491.07	4450.75	489.47	8	-4.77	4455.52
	0	CFA	1.69	4941.08	19-Apr-01					construction	0.000	
ICPP-MON-A-021	CPP-MA-21	CPP	1,75	4904.36								
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
USGS-020	0	ICPP	0.77	4916.36	19-Apr-01	1610	464.03	4453.10	463.26			
USGS-034	0	ICPP	1.07	4929.19	19-Apr-01	1420	474.57	4455.69	473.50			
USGS-035	0	ICPP	1,55	4929.64	19-Apr-01	1430	475.78	4455.41	474.23			
USGS-036	0	ICPP	1.18	4929.20		1410	474.66	4455.72	473.48			
USGS-037	0	ICPP	1.22	4929.38	19-Apr-01	1400	474.91	4455.69	473.69			
USGS-038	0	ICPP	1.33	4929.63	19-Apr-01	1351	475.24	4455.72	473.91			
USGS-039	0	ICPP	1.23	4930.95	19-Apr-01	1441	476.52	4455.66	475.29			
USGS-057	0	ICPP	1.92	4922.49	19-Apr-01	1450	468.86	4455.55	466.94			
USGS-077	0	ICPP	2.18	4921.79	19-Apr-01	1547	468.41	4455.56	466.23			
USGS-082	0	ICPP	1.58	4906.99	19-Apr-01	1525	451.85	4456.72	450.27			
USGS-085	0	ICPP	2.28	4939.26	19-Apr-01	1250	485.99	4455.55	483.71			
USGS-111	0	ICPP	2.27	4920.50	19-Apr-01	1500	473.03	4449.74	470.76		-5.24	
USGS-112	0	ICPP	2.29	4927.84	19-Apr-01	1534	476.95	4453.18	474.66		-2.61	4455.79
USGS-113	0	ICPP	2.34	4925.28	19-Apr-01	1540	477.46	4450.16	475.12		-6.46	
USGS-114	0	ICPP	2.28	4920.09	19-Apr-01	1555	471.24	4451.13	468.96		7.4-	
USGS-115	0	ICPP	2.30	4918.84	19-Apr-01	1600	467.49	4453.65	465.19		-2.23	4455.88
USGS-116	0	ICPP	2.53	4916.03	19-Apr-01	1515	461.76	4456.80	459.23			
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10	18-Apr-01	1410	614.78	4429.24	612.86			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80	18-Apr-01	1350	643.82	4428.08	640.72			
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60	18-Apr-01	1405	613.42	4429.07	612.53			
RWMC-MON-A-066	RWMC-MA-66	LSIT	1,51	5043.70	18-Apr-01	1400	620.46	4424.75	618.95			
NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33	18-Apr-01	1030	375.28	4480.09	372.24			
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47	18-Apr-01	1045	376.54	4479.79	373.68			
N.A.010	NRF-MA-10	NRF	3.27	4853.10	18-Apr-01	1100	376.62	4479.75	373.35			

Table A-8. (continued).

Adi play	5																																										4457.00	
Dev corr	1																																										-1.5	
hc) Comment	(0	370.99	365.49		442.76	516.57	493.34	509.32	no access	584.08	588.76	595.12	639.15	676.79	564.68	535.20	599.58	603.71	589.45	906.88	556.63	480.59	565.77	501.44	495.72	498.81	506.52	no access	no access	204.19	199.72	110.36	87.11	75.29	470.85	475.39	479.56		69.18	75.54	461.06	466.60	454.15	507.33
Hamsil withhol	-				4463.39 44		4446.32 49			4427.01 58	4427.40 58	4427.41 59	4426.61 63	4428.06 57	4429.51 56	4440.08 53	4427.27 59	4428.75 60	4433.26 58	4434.71 50	4432.02 55		4434.20 56		4441.58 49	4438.20 49	4438.85 50			4577.92 20		4806.13 11	4836.60 8	4848.53 7		4456.17 47	4455.37 47		4851.76 6	4843.61 7	4457.31 46			
Withmn) play(flams)	373.82 4		2000		444.68 4	518.42 4	496.06 4	511.11 4		587.21 4	2000	597.05	641.01 4	579.55 4	566.16 4	536.95 4	601.37 4	606.49 4	590.87 4	509.03 4	559.61 4		568.3 4		498.07	500.86	508.68 4			207.02	202.42	111.91		77.08 48	471.81 4	477.92 4	481.03 4	>-	70.46	77.12 48				508.9 4
Time	40	1130	1145		930	920	1000	945		1330	1445	1415	1427	1440	1455	1515	1505	1315	1350	1559	1547	1320	1342	1047	1030	1101	1120			1219	1230	1101	1300	1310	955	945	1017	1033 dry	1041	1108	1054	1005	1120	1615
Date	4850 73 18-Apr-01	4850 83 18-Apr-01	18-Apr-01		19-Apr-01	19-Apr-01	19-Apr-01	19-Apr-01	1		18-Apr-01		18-Apr-01	18-Apr-01	18-Apr-01	18-Apr-01	18-Apr-01	18-Apr-01		18-Apr-01	18-Apr-01	20-Apr-01		-		19-Apr-01	19-Apr-01			20-Apr-01	1000				20-Apr-01				20-Apr-01	20-Apr-01				18-Apr-01
BC Flex	4850 73	4850 83	4843.59	5361.81	4906.15	4959.29	4939.66	4976.13	5021.62	5011.09	5016.16	5022.53	5065.76	5004.85	4994.19	4975.28	5026.85	5032.46	5022.71	4941.59	4988.65	4917.50	4999.97	4941.40	4937.30	4937.01	4945.37	4790.37	4780.57	4782.11	4784.10	4916.49	4923.71	4923.82	4920.14	4931.56	4934.93	4922.14	4920.94	4919.15	4918.37	4925.01	4909.65	4956.44
stickin(#)	2.96	9 E	3.20	2.11	1.92	1.85	2.72	1.79	1.46	3.13	1.59	1.93	1.86	2.76	1.48	1.75	1.79	2.78	1.42	2.15	2.98	1.95	2.53	1.82	2.35	2.05	2.16	1.25	1.79	2.83	2.70	1.55	1.24	1.79	0.96	2.53	1.47	1.10	1.28	1.58	1.82	0.58	1.82	1.57
Area	NRF	NRF	NRF	OFF-BLR	PBF	HBF.	PBF		RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	STF	STF		STE	TAN	TAN	×	TANT	TRA		TRA	1204	TRA	TRA	TRA	TRA	TRA	TRA	TRA	INTEC	CFA
W/ell Alias	NRF-MA-11	NRF-MA-12	NRF-MA-13	SITE-01A	0	0	0	0	M10S	M01S	M03SA	M04D	MOGS	M07S	M11	M12	M13	M14		0	0	0	USGS-110A	STF-MON-01A	STF-MON-02A	0		0	0	TAN-MON-A-001	TAN-MON-A-002		0		_	0	0	0	0	_	0	0		USGS-127
Well Name	NRF-MON-A-011	NRF-MON-A-012	NRF-MON-A-013	SITE 01 WATER TABLE	PBF-MON-A-001	PBF-MON-A-003	PBF-MON-A-004	PBF-MON-A-005	M10S	M1SA	M3S	M4D	M6S	M7S	SOUTH-MON-A-001	SOUTH-MON-A-002	SOUTH-MON-A-003	SOUTH-MON-A-004	USGS-001	USGS-083	USGS-104	USGS-107	USGS-110	STF-MON-A-01A	STF-MON-A-02A	STF-MON-A-003	STF-MON-A-004	TAN-08	TAN-13A	TANT-MON-A-004	TANT-MON-A-005	PW-11	PW-12	PW-13	TRA-06	TRA-07	TRA-08	USGS-053	USGS-054	USGS-055	USGS-058	USGS-065	USGS-121	USGS-0BS-A-125

Table A-9. Water-level measurements for May 2001.

Well Name	Well Alias	Area	stickup(ft)	BC Elev Date	te	Ime	wi(ttbmp) e	wi(ttpmp) elev(ttamsi)	wl(bbc)	Comment	Dev corr	AG W
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69			38					755
ANL-MON-A-012	ANL-MON-A-12	ANL	1.60	5132.80								
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37								
ANL-0BS-A-014	ANL-MON-AQ-14	ANL	9.1	5120.99								
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50 30-May-01	ay-01	1428	601.84	4446.90	599.60			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30 30-May-01	ay-01	1434	591.66	4445.35	588.96			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40 30-May-01	ay-01	1414	594.62	4445.24	592.16	d Service		
ARA-MON-A-003	ARA-MON-A003A	ARA	2.67	5050.10 30-May-01	ay-01	1406	605.37	4447.40	602.70			
ARA-MON-A-004	0	ARA	2.40	5064.60 30-May-01	ay-01	1343	495.87	4571.13	493.47			
SITE-09	0	ARA	1.62	4926.03 30-May-01	ay-01	1450	475.03	4452.62	473.41			
CFA-MON-A-001	CFA-MON-001	CFA	2.13		aγ-01	955	489.51	4449.06	487.38			
CFA-MON-A-002	CFA-MON-002	CFA	1.93		ay-01	945	485.99	4448.18	484.06			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31 31-May-01	ay-01	935	485.64	4446.50	483.81			
LF2-10		CFA	1.35	4932.48 31-May-01	ay-01	1023	481.76	4452.07	480.41		-0.73	4452.80
LF2-11	0	CFA	1.35		ay-01	1039	474.51	4455.20	473.16			
LF2-08	0	CFA	1.42	4931.72 31-May-01	ay-01	1030	480.42	4452.72	479.00		-2.95	4455.67
LF2-09	0	CFA	1.23	4932.23 31-May-01	ay-01	1018	483.16	4450.30	481.93		-5.72	4456.02
LF3-10	0	CFA	222	4942.62 31-May-01	ay-01							
LF3-08	0	CFA	1.60	4940.22 31-May-01	ay-01	1007	490.74	4451.08	489.14		-4.77	4455.85
LF3-09	0	CFA	1.69	4941.08 31-May-0'	ay-01							
ICPP-MON-A-021	CPP-MA-21	CPP	1.75	4904.36								
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
USGS-020	0	ICPP	0.77	4916.36 29-May-01	ay-01		464.41	4452.72	463.64			
USGS-034	0	ICPP	1.07	4929.19 29-May-01	ay-01		476.05	4454.21	474.98			
USGS-035	0	ICPP	1.55	4929.64 29-May-01	ay-01		475.11	4456.08	473.56			
USGS-036	0	ICPP	1.18	4929.20 29-May-01	ay-01		474.28	4456.10	473.10			
USGS-037	0	ICPP	1.22		ay-01		474.51	4456.09	473.29			
USGS-038	0	ICPP	1.33		ay-01		473.65	4457.31	472.32			
USGS-039	0	ICPP	1.23	4930.95 29-May-01	ay-01		476.05	4456.13	474.82			
USGS-057	0	ICPP	1.92	4922.49 29-May-01	ay-01		468.3	4456.11	466.38			
USGS-077	0	ICPP	2.18		ay-01		468.02	4455.95	465.84			
USGS-082	0	ICPP	1.58		ay-01		451.56	4457.01	449.98			
USGS-085	0	ICPP	2.28		ay-01		485.79	4455.75	483.51			
USGS-111	0	ICPP	2.27	4920.50 29-May-01	ay-01		472.56	4450.21	470.29	nà1152	-5.24	
USGS-112	0	ICPP	2.29	4927.84 29-May-01	ay-01		476.54	4453.59	474.25		-2.61	4456.20
USGS-113	0	ICPP	2.34	4925.28 29-May-01	ay-01		477.03	4450.59	474.69		-6.46	4457.05
USGS-114	0	ICPP	2.28	4920.09 29-May-01	ay-01		470.88	4451.49	468.60		7.4-	4456.19
USGS-115	0	ICPP	2.30	4918.84 29-May-01	ay-01		467.11	4454.03	464.81		-2.23	4456.26
USGS-116	0	ICPP	2.53	4916.03 29-May-01	ay-01		461.35	4457.21	458.82			
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10 30-May-01	ay-01	925	614.48	4429.54	612.56			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80 30-May-01	ay-01	945	643.71	4428.19	640.61			
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60 30-May-01	ay-01	933	613.89	4428.60	613.00			
RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70 30-May-01	ay-01	940	620.14	4425.07	618.63			
NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33								
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47 30-May-01	ay-01							
NDE MON A 010	NRF-MA-10	NRF	3.27	4853.10								

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SOCALI MISSES	507-11 01:	0	(4) min (4)	O	0.44	ľ	- American	Manuel Alice	(malalyline)	- Tourse	0	D. J. L.
MODE MACKETING	MUDIT NAM 44	Year	Suckuping	10	Date	9	wi(itorrip) elev(itarrisi)	elev(Itarrisi)		COMMITTERIL	nev cur	w fox
NRF-MON-A-UTI	NRF-MA-11	F F	2, c	-	30-May-U1							
NRF-MON-A-UIZ	NRF-MA-12	F 5	20 C	V 10-1	20							
NRT-MON-A-013	_			F361 81 30	30 May 01							
DDF MON A DOL	5				30-May-01	1000	444.50	01 6311	73 CAA			
PBE-MON-A-003			20:- 1 78:-		30-May-01	1357	518.21	4403.40	516 36			
DBE MON A DOA			. c		30 May 01	13/3	A95.87	AAAB E1	AGS 15			
PBF-MON.A-005			1 79	-	30-May-01	1330	510.81	4467 11	509 00			
MIDS	M10S	ш			30-May-01	2	9			000000		
M154	MO15	DWW			30-May-01	900	586 11	1138 11	587 98			
0 0 0	MOSCA	DWWD			30 May 01	888	500.36	AA27 30	588 77			
200	MOAD	DUANAC	2.00		30 May 01	960	506.00	33 TCAA	2000.72			
M4D	MO40	Olympia C			-Ividy-U	0 0	00000	00.7244	00.400			
MbS	MU6S	KWMC			30-May-U1	959	641.04	44.26.58	639.18			
M7S	M07S	RWMC			30-May-01	815	579.48	4428.13	576.72			
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19 30-	30-May-01	1036	566.13	4429.54	564.65			
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28 30-	30-May-01	1014	535.91	4441.12	534.16			
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85 30-	30-May-01	1025	601.36	4427.28	599.57			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46 30-	30-May-01	850	606.41	4428.83	603.63			
USGS-001		2010	703		30-May-01	1210	591.3	4432.83	589.88			
USGS-083		0 SOUTH	3755		30-May-01	1124	501.31	4442.43	499.16			
11868-104					30-May-01	1108	559 56	4432 07	556 58			
11565.107		HEIOCO O			30 May 01	1140	482.32	AA37.13	A80.37			
000000					iviay-01	- C	402.32	00.00	2000			
USGS-110	USGS-11UA	SOUTH			3U-May-U1	1225	569.12	4433.38	566.59			
STF-MON-A-01A	STF-MON-01A	ST	1.82		30-May-01							
STF-MON-A-02A	STF-MON-02A	STF	2.35		30-May-01							
STF-MON-A-003			2.05	4937.01 30-	30-May-01							
STF-MON-A-004			2.16	4945.37 30-	30-May-01							
TAN-08		0 TAN	1.25	4790.37								
TAN-13A		0 TAN	1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002	-	2.70	4784.10								
PW-11		0	1.55	4916.49								
PW-12		0 TRA	1.24	4923.71								
PW-13		0 TRA	1.79	4923.82								
TRA-06			0.96	4920.14 31-	31-May-01	1117	471.68	4449.42	470.72			
TRA-07			2.53		31-May-01	1108	477.73	4456.36	475.20			
TRA-08		ľ	1.47		31-May-01	1135	480.81	4455.59	479.34			
USGS-053			1.10									
USGS-054			1.28	4920.94								
USGS-055		0 TRA	1.58	4919.15								
USGS-058		Ľ	1.82	4918.37								
USGS-065			0.58	4925.01 31-May-01	.May-01	1125	466.91	4458.68	466.33			
USGS-121		0 INTEC		4909.65 29-	29-May-01		455.81	4455.66	453.99	- Care	7	.5 4457.16
11SGS-0BS-A-125	USGS-127	CFA	1.57	4956.44 30-		28-Feb-03	508.82	4449.19	507.25			

Table A-10. Water-level measurements for June 2001.

W/vell Name	Well Aliac	Area	ctickiin(#)	BC Flew	Date	Time	w(ffhmn)	Millhun) eleviflamell	withhr	Comment	Dev corr	Adisad
ANI M11	ANI MON A 11	8	0.00				(diman)	ion man ion				
ONSTRUCTION OF STATE	- 140H-140		2.7									
ANL-MON-A-U12	ANC-MON-A-12		 									
ANL-MON-A-013	ANL-MON-AQ-13		3.29									
ANL-0BS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99								
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	28-Jun-01	1029	599.59	4449.15	597.35			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	28-Jun-01	1019	591.91	4445.10	589.21			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	28-Jun-01	955	594.88	4444.98	592.42			
ARA-MON-A-003	ARA-MON-A003A	ARA	2.67	5050.10	28-Jun-01	1039	605.57	4447.20	602.90			
ARA-MON-A-004	0	ARA	2.40	5064.60	28-Jun-01	1010	619.87	4447.13	617.47			
SITE-09	0	ARA	1.62	4926.03	28-Jun-01	111	475.38	4452.27	473.76			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	27-Jun-01	1320	489.48	4449.09	487.35			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	27-Jun-01	1312	485.97	4448.20	484.04			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31	27-Jun-01	1305	485.51	4446.63	483.68			
LF2-10		CFA	1.35	4932.48	27-Jun-01	1343	481.45	4452.38	480.10		-0.73	4453.11
LF2-11	0	CFA	1.35	4928.36	27-Jun-01	1356	474.67	4455.04	473.32			
LF2-08	0	CFA	1.42	4931.72	27-Jun-01	1350	480.53	4452.61	479.11		-2.95	
LF2-09	0	CFA	1.23	4932.23	27-Jun-01	1335	483.31	4450.15	482.08		-5.72	4455.87
LF3-10	0	CFA	222	4942.62	27-Jun-01					survey		
LF3-08	0	CFA	1.60	4940.22	27-Jun-01	1135	490.91	4450.91	489.31		-4.77	4455.68
LF3-09	0	CFA	1.69	4941.08	27-Jun-01					survey		
ICPP-MON-A-021	CPP-MA-21	СРР	1.75	4904.36								
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
USGS-020		ICPP	0.77	4916.36	28-Jun-01	1705	463.61	4453.52	462.84			
USGS-034	0	ICPP	1.07	4929.19	28-Jun-01			4930.26	-1.07	no access		
USGS-035	0	ICPP	1.55	4929.64	28-Jun-01	1326	475.77	4455.42	474.22			
USGS-036	0	ICPP	1.18	4929.20	28-Jun-01	1315	474.71	4455.67	473.53			
USGS-037	0	ICPP	1.22	4929.38	28-Jun-01	1300	474.86	4455.74	473.64			
USGS-038	0	ICPP	1.33	4929.63	28-Jun-01	1250	474.24	4456.72	472.91			
USGS-039	0	ICPP	1.23	4930.95	28-Jun-01	1339	476.49	4455.69	475.26			
USGS-057	0	ICPP	1.92	4922.49	28-Jun-01	1627	468.75	4455.66	466.83			
USGS-077	0	ICPP	2.18	4921.79	28-Jun-01	1527	468.43	4455.54	466.25			
USGS-082	0	ICPP	1.58	4906.99	28-Jun-01	1415	451.92	4456.65	450.34			
USGS-085	0	ICPP	2.28	4939.26	27-Jun-01	1415	485.85	4455.69	483.57			
USGS-111	0	ICPP	2.27	4920.50	28-Jun-01	1650	472.99	4449.78	470.72		-5.24	4455.02
USGS-112	0	ICPP	2.29	4927.84	28-Jun-01	1601	476.89	4453.24	474.60		-2.61	4455.85
USGS-113	0	ICPP	2.34	4925.28	28-Jun-01					no access	-6.46	6.46
USGS-114	0	ICPP	2.28	4920.09	28-Jun-01	1514	471.37	4451.00	469.09		7.4-	4455.70
USGS-115	0	ICPP	2.30	4918.84	28-Jun-01	1459	467.56	4453.58	465.26		-2.23	4455.81
USGS-116		ICPP	2.53	4916.03	28-Jun-01	1434	461.81	4456.75	459.28			
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10	27-Jun-01	980	614.46	4429.56	612.54			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80	27-Jun-01	918	643.61	4428.29	640.51			
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60	27-Jun-01	943	613.28	4429.21	612.39			
RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70	27-Jun-01	933	620.21	4425.00	618.70			
NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33								
NRF-MON-A-009	NRF-MA-09	NRF	2.86									
NRF-MON-A-010	NRF-MA-10	NRF	3.27	4853.10								

Table A-10. (continued).

NRF-MA-12	Valor Namo	Moll Alice	-	Aron ctic	(#)	Doto Doto		Time	(ample)	Monda Pholo	(odd)lo	Commont	Doc oor	Adiod
National Color	NDE MON A 011	NDE MA 11	-		300	0			(dilipin)	(icallian)	wi(nnc)			- F
National Colored Nati	- INCIA-14014				8 6	4000.73								
MACHENIA   MACHINA   MAC	NRF-MON-A-012	NRF-MA-12	-	T 1	5 G	485U.83								
MARIER TABLE SITE-01A   OFF BIR   21   5501 81	NRF-MON-A-013	_		ᅶ	3.20	4843.59								
MISS   PBF   192   4906 15 28-Jun-Ol   844   444.55   446.35   516.47	SITE 01 WATER TABLI		P	F-BLR	2.11	-								
186   186	PBF-MON-A-001			3BF	1.92		현	848	444.55	4463.52	442.63			
NAME	PBF-MON-A-003			3BF	1.85		Ď.	1051	518.32	4442.82	516.47			
NAME	PBF-MON-A-004			9BF	2.72		5	935	496.07	4446.31	493.35			
MIOS   RVMMC   146   502162   27-Jun-01   854   586.97   4427   25   588.84     MOSA   RVMMC   1.93   50116   27-Jun-01   814   560.27   4427   25   588.84     MOSA   RVMMC   1.93   5022.53   27-Jun-01   816   66.77   4427   25   588.84     MOSA   RVMMC   1.93   5022.53   27-Jun-01   816   66.77   4427   25   576.80     MOSA   RVMMC   1.86   506.27   27-Jun-01   810   579.36   4432   57.80     MON-AOO1   M11   RVMMC   1.75   495.27   27-Jun-01   1055   586.01   4429   55   57.80     MON-AOO2   M12   RVMMC   1.75   495.27   27-Jun-01   1045   563.7   4421   27   543.01     MON-AOO4   M14   RVMMC   2.76   5022.85   27-Jun-01   1045   563.7   4428   25   57.80     MON-AOO4   M14   RVMMC   2.76   5022.85   27-Jun-01   1045   563.7   4428   25   569.04     MON-AOO4   M14   RVMMC   2.76   5022.85   27-Jun-01   1045   503.8   4438   503.6     MON-AOO4   M14   RVMMC   2.76   5022.85   27-Jun-01   1045   503.6   4438   503.6     MON-AOO4   M14   RVMMC   2.76   4434.89   27-Jun-01   504.6   4438   503.6     MON-AOO4   STF   2.86   443.89   27-Jun-01   1133   503.16   440.06   501.34     MON-AOO4   STF   2.86   443.89   27-Jun-01   1141   500.71   444.89   506.54     MON-AOO4   STF   2.96   4493.71   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.83   448.71   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.83   448.71   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.83   448.21   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.83   448.21   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.84   493.70   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.85   493.65   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.85   493.65   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.85   493.80   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.85   493.16   28-Jun-01   1141   500.71   443.89   506.54     MON-AOO4   TAN   2.85   493.16   28-Jun-01   1141   500.71	PBF-MON-A-005			-BE	1.79		Ž	910	510.87	4467.05	509.08			
MOTS         RWMC         313         501109         Z7-Jun-01         864         566 97         4427         56         688 63           MOSA         RWMC         139         6012 63         Z7-Jun-01         904         660 7         4427         56         688 63           MOSA         RWMC         139         6012 63         Z7-Jun-01         904         660 7         4427         69         69           MOYS         RWMC         178         6004 66         Z7-Jun-01         1110         6008         4426.76         630           MONA-002         M12         RWMC         1,75         494 19         Z7-Jun-01         1025         660.11         4426.66         634           MONA-002         M13         RWMC         1,75         494 19         Z7-Jun-01         1025         660.31         4420.66         634           MONA-002         M13         RWMC         1,75         494 19         Z7-Jun-01         1025         66.11         4420.66         634         63           MONA-002         M14         RWMC         1,75         494 169         Z7-Jun-01         1045         66.11         4420.66         64         66.11         4420.66         64.1	M10S	M10S	œ	WMC	1.46		Ď					no access		
MOSSA         RWMC         159         6016.16         27-Jun-OI         814         590.22         4427.53         588.63           MOSSA         RWMC         189         6026.76         27-Jun-OI         906         593.67         4427.66         594.84           MOTS         RWMC         2.76         5004.66         27-Jun-OI         100         579.36         4428.25         576.60           MOTS         RWMC         1.75         5004.66         27-Jun-OI         1026         586.01         4429.66         596.04           MON-A-003         M13         RWMC         1.76         500.86         27-Jun-OI         1026         580.12         4429.66         596.04           MON-A-003         M13         RWMC         1.76         502.86         27-Jun-OI         1026         580.43         4439.66         596.91         4439.66         596.91         4439.66         596.91         4439.66         596.91         4439.66         596.91         4439.66         596.91         596.91         596.91         596.91         596.91         596.91         596.91         596.91         596.91         596.91         596.91         596.91         596.91         596.91         596.91         596.91 <t< td=""><td>M1SA</td><td>M01S</td><td>œ.</td><td>WMC</td><td>3.13</td><td></td><td>Ď.</td><td>854</td><td>586.97</td><td>4427.25</td><td>583.84</td><td></td><td></td><td></td></t<>	M1SA	M01S	œ.	WMC	3.13		Ď.	854	586.97	4427.25	583.84			
MO4D         RWMC         193         5022.53         27-Jun-01         905         596.77         4427.69         594.84           MORS         RWMC         1.86         508.76         27-Jun-01         1100         59.36         4429.65         57.68         599.00           MONA-001         MI12         RWMC         1.76         4994.19         27-Jun-01         1026         566.01         4429.66         564.63           MONA-002         MI12         RWMC         1.75         4972.22         27-Jun-01         1026         566.01         4429.66         564.63           MONA-002         MI13         RWMC         2.78         502.246         27-Jun-01         1026         566.12         4429.66         564.63           MONA-004         MI13         RWMC         2.78         502.246         27-Jun-01         611         590.46         4433.67         569.43           MONA-01A         MI14         2.78         4934.62         27-Jun-01         611         590.46         4433.67         569.43           MONA-01A         STF         2.81         4934.72         27-Jun-01         611         590.46         4437.13         463.73           MA-01A         STF	M3S	MO3SA	œ	WMC	1.59		ě	814	590.22	4427.53	588.63			
MD6S         RWMC         186         6065 76         27-Jun-01         1110         640 86         4426 75         659 00           MONA-A002         MIT         RWMC         2.76         6004 86         27-Jun-01         1025         656 01         4428 75         678 00           MONA-A002         MIT         RWMC         1.75         4975 28         27-Jun-01         1025         656 01         4428 25         678 01           MONA-A002         MIT         RWMC         1.75         4975 28         27-Jun-01         1025         656 01         4428 25         678 01           MONA-A003         MIT         RWMC         1.75         6026 85         27-Jun-01         1056         660 11         4420 25         699 43           MONA-A004         MIT         2.75         602.46         27-Jun-01         105         601.21         4471 25         699 43           110         USCSS-110A         SOUTH         1.98         4981 50         27-Jun-01         717         669 41         4430 65         691.34           110         USCSS-110A         STF         2.98         4937 30         28-Jun-01         1123         691.34         493.36           110         USCSS-110A <td>M4D</td> <td>M04D</td> <td>ÓΥ</td> <td>WMC</td> <td>1.93</td> <td></td> <td>Ď</td> <td>902</td> <td>596.77</td> <td>4427.69</td> <td>594.84</td> <td></td> <td></td> <td></td>	M4D	M04D	ÓΥ	WMC	1.93		Ď	902	596.77	4427.69	594.84			
MOTS         RWMC         2.76         5004.85         27-Jun-01         800         579.36         4428.25         57-E0           MONA-A001         M11         RWMC         1.88         4994.19         27-Jun-01         1025         566.01         4429.66         564.53           MONA-A002         M13         RWMC         1.79         5028.85         27-Jun-01         1045         601.25         4427.42         569.43           MONA-A003         M13         RWMC         1.79         5028.85         27-Jun-01         1045         601.25         4428.93         693.63           MONA-A004         M14         RWMC         1.78         5022.73-Jun-01         104         690.42         4428.65         569.04         4428.65         569.04           MONA-A01A         SOUTH         1.26         491.75         72-Jun-01         707         569.42         4437.13         489.37           MA-A02A         STF-MONAO1A         STF         2.96         4937.02         72-Jun-01         1123         493.21         569.04         4437.13         489.37           MA-A02A         STF-MONAO2A         STF         2.54         4937.20         72-Jun-01         1123         493.55         439.70	M6S	MOGS	Œ	WMC	1.86		Ď.	1110	640.86	4426.76	639.00			
M11         RWMC         1.48         4994.19         27-Jun-01         1025         566.01         4429.66         564.53           M0NA-M002         M12         RWMC         1.75         4975.28         27-Jun-01         1056         535.76         4441.27         534.01           M0NA-M003         M13         RWMC         1.78         4975.28         27-Jun-01         1056         603.44         4433.67         589.43           M0NA-M004         M14         RWMC         2.78         502.48         27-Jun-01         104         606.31         4420.52         589.04           M0NA-M004         M14         2.15         4941.59         27-Jun-01         773         501.12         4432.67         589.04           M0NA-M01A         STF         2.15         4941.59         27-Jun-01         773         569.42         4432.67         589.04           M0NA-M01A         STF         2.93         4941.60         27-Jun-01         173         4432.62         489.04           M0NA-M01A         STF         2.83         4999.7         27-Jun-01         113         490.64         443.06         444.00         443.06         444.00         443.06         444.00         443.06         444.0	M7S	M07S	œ	WMC	2.76		Ď	8	579.36	4428.25	576.60			
M12         RWMC         175         4975-28         27-Jun-01         1056         555-76         4441.27         53-00           MONA-GOG3         M13         RWMC         1.79         5028-85         27-Jun-01         1045         606.31         4427.42         599.43           MONA-GOG4         M14         D         SOUTH         1.72         5022.71         27-Jun-01         601.12         4427.42         599.43           D01         SOUTH         2.16         4941.69         27-Jun-01         614         460.36         4433.67         489.93           D01         SOUTH         2.16         4941.69         27-Jun-01         626         467.21         4442.62         499.93           D01         USGS-110A         SOUTH         1.96         498.66         27-Jun-01         626         467.21         440.36         68.93           D04         SOUTH         1.96         499.97         27-Jun-01         626         467.22         480.97         68.97         440.36         460.37         460.37         460.37         460.37         460.37         460.37         460.37         460.37         460.37         460.37         460.37         460.37         460.37         460.37	SOUTH-MON-A-001	M11	œ	WMC	1.48		Ď.	1025	566.01	4429.66	564.53			
M13         RWMC         1.79         6026.85         27-Jun-01         1045         601.22         4427.42         599.43           MON-A-004         M14         RWMC         2.78         6022.46         27-Jun-01         611         690.63         4428.93         608.53           MON-A-004         M14         RWMC         2.78         602.46         27-Jun-01         707         690.42         4428.63         608.53           MON-A-004         SOUTH         2.98         498.66         27-Jun-01         707         690.42         4428.63         680.64           MO-A-01A         STF-MON-01A         STF         1.95         4917.50         27-Jun-01         707         699.42         4428.63         680.63           MA-A01A         STF-MON-01A         STF         1.95         4917.50         27-Jun-01         1133         693.64         4440.06         501.70           MA-A02A         STF-MON-01A         STF         2.95         4936.37         28-Jun-01         1133         494.06         4440.06         501.70           MA-A03A         STF-MON-01A         STF         2.95         4937.30         28-Jun-01         1143         494.06         4440.06         491.70	SOUTH-MON-A-002	M12	Œ	WMC	1.75		년 전	1055	535.76	4441.27	534.01			
MMA         RWMC         2.78         602.46         27-Jun-01         835         606.31         428.93         603.53           MMA         BOUTH         1.42         5022.71         27-Jun-01         611         560.46         4433.67         589.04           MBSS         SOUTH         2.15         4941.69         27-Jun-01         707         569.42         4432.21         589.04           MA         BOUTH         2.96         498.66         27-Jun-01         707         569.42         4432.21         589.04           MA-A01A         STF         2.91         4917.50         27-Jun-01         626         467.92         4432.71         489.37           MA-A01A         STF         2.93         499.97         77-Jun-01         626         467.92         463.46         465.37           MA-A01A         STF         2.94         491.70         27-Jun-01         113         494.06         461.70         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93         462.93	SOUTH-MON-A-003	M13	Œ	WMC	1.79		Ď.	1045	601.22	4427.42	599.43			
001         DOUTH         1.42         6022.71         27-Jun-01         611         590.46         4433.67         589.04           BB3         0         SOUTH         2.16         4941.59         27-Jun-01         723         501.12         4442.62         489.97           104         0         SOUTH         2.98         4916.65         27-Jun-01         625         467.92         443.63         489.97           110         USGS-110A         SOUTH         2.53         4999.97         27-Jun-01         625         467.92         443.63         466.43           10         SOUTH         2.53         4999.97         27-Jun-01         625         467.92         443.63         466.39           NA-A01A         STF-MON-D1A         STF         2.54         493.73         28-Jun-01         1133         60.71         443.63         496.53           NA-A003         STF-MON-D2A         STF         2.16         4945.73         28-Jun-01         1141         500.71         4436.85         501.34           NA-A004         STF-MON-D2A         STF         2.16         4945.73         28-Jun-01         1144         600.71         4436.85         500.71         4436.85         501.70	SOUTH-MON-A-004	M14	ÓΣ	WMC	2.78		현	835	606.31	4428.93	603.53			
083         O SOUTH         2.15         4941.69         27-Jun-01         723         501.12         4442.62         498.77           104         O SOUTH         2.98         498.86         27-Jun-01         645         482.32         433.21         566.44           107         USGS-110A         SOUTH         2.98         4997.50         27-Jun-01         645         482.32         437.13         490.37           107         USGS-110A         STF         1.25         4949.90         27-Jun-01         645         482.32         437.13         490.37           10A-A02A         STF-MON-02A         STF         2.36         4949.90         27-Jun-01         1123         494.05         4445.60         491.70           10A-A02A         STF-MON-02A         STF         2.36         494.37         28-Jun-01         1123         494.05         4445.60         491.70           10A-A00A         STF         2.16         4947.01         1141         500.71         4445.60         491.70           A-A00A         TANT         1.28         4782.11         1141         500.71         4438.35         506.52           A-A00A         TAN         1.79         4784.10         1156	USGS-001		aus	HIOC	1.42		5	611	590.46	4433.67	589.04			
104         0         SOUTH         2.98         498.65         27-Jun-01         707         669.42         4432.21         566.44           107         0         SOUTH         1.95         4977.60         27-Jun-01         645         482.32         4437.13         480.37           110         USGS-110A         SOUTH         1.95         4977.60         27-Jun-01         626         467.92         453.45         465.30           110         USGS-110A         STF         2.35         499.97         27-Jun-01         1133         503.16         4440.06         501.34           10A-A02A         STF         2.35         4937.30         28-Jun-01         1123         494.05         4445.60         491.70           10A-A003         STF         2.36         4937.12         28-Jun-01         1156         508.68         4448.60         501.34           10A-A004         STF         2.16         4945.37         28-Jun-01         1156         508.68         4488.65         506.52           10A-A004         TAN         1.78         4780.17         1156         508.68         4438.65         506.52           10A-A005         TAN         1.78         4780.49         4923	USGS-083			HINC	2.15		Ď	723	501.12	4442.62	498.97			
107         SOUTH         196         4917.60         27-Jun-01         645         482.32         4437.13         480.37           110         USGS-110A         SOUTH         2.53         4999.97         27-Jun-01         625         467.92         467.35         465.39           1N-A01A         STF-MON-01A         STF         2.36         4937.30         28-Jun-01         1123         494.05         440.06         501.34           N-A003         STF         2.36         4937.01         28-Jun-01         1141         500.71         440.06         501.34           N-A003         STF         2.36         4937.01         28-Jun-01         1141         500.71         4438.85         506.52           N-A004         STF         2.16         4937.01         28-Jun-01         1143         493.85         498.66           N-A004         TAN         1.25         499.70         A780.37         A780.71         A180.86         498.66         506.52           A         A         A780.37         A780.37         A780.40         A780.40         A780.40         A780.40         A780.40         A780.40         A780.40         A780.60         A780.60         A780.60         A780.60         A780.	USGS-104			HIS	2.98		5	707	559.42	4432.21	556.44			
110         USGS-110A         SOUTH         2.53         4999.97         Z7-Jun-01         E25         467.92         4534.58         485.39           DN-A-02A         STF-MON-02A         STF         1.82         4941.40         28-Jun-01         1133         603.16         4440.06         501.34           DN-A-02A         STF-MON-02A         STF         2.35         4937.30         28-Jun-01         1123         494.05         4445.00         501.34           DN-A-003         STF         2.05         4937.01         28-Jun-01         1141         500.71         4498.05         498.06           DN-A-004         STF         2.06         4937.37         28-Jun-01         1165         508.68         4438.86         506.52           DN-A-004         TAN         1.26         4945.37         28-Jun-01         1164         500.71         4498.86         506.52           ANA-004         TAN         1.78         4784.10         1166         508.88         4438.86         506.52           ANA-005         TAN         1.78         4784.10         1164.99         4438.86         506.52         100.44           ANA-005         TAN-MON-A-002         TRA         1.54         4923.71	USGS-107			HINC	R		Ę	645	482.32	4437 13	480.37			
NN-A01A STF-MON-OLA STF 1.23 4941.40 28-Jun-O1 1123 503.16 4445.60 491.70 JN-A02A STF-MON-OLA STF 2.35 4937.30 28-Jun-O1 1123 494.05 4445.60 491.70 JN-A004 D STF 2.05 4937.31 28-Jun-O1 1123 494.05 4445.60 491.70 JN-A004 D STF 2.05 4937.31 28-Jun-O1 1141 500.71 4438.35 498.66 JN-A004 D STF 2.16 4945.37 28-Jun-O1 1141 500.71 4438.35 498.66 JN-A004 D TAN 1.25 4780.37 JR-A014 JR-A004 TAN-MON-A-001 TAN 1.79 4780.57 JR-A014	11868.110	11909,110A		HIIIC	2 53		5 5	575	767.97	4534 58	465.30	100		
A STEMON-A-OLD STAN STAN STAN STAN STAN STAN STAN STAN	OCCUPATION A DAMA	OCCUPATION OF A	ว์ วั	STE	3 6		5 5	1133	407.704 20.704	4004.00	501.00			
NN-A-02A SIT-MON-UZA SIT 2.35 4937.31 ZB-Jun-U1 1123 494.05 4445.6U 491.7U  NN-A-003 O STF 2.05 4937.01 2B-Jun-U1 1141 500.71 4438.35 498.65  NN-A-004 TAN 1.25 4790.37  A	011-1WOR-7-01A	STIP-MOIN-LIN			70.0		5 è	3 8	000.10	4440.00	40.100			
NN-A-003  NN-A-004  NN-A-0	SIF-MON-A-02A			1	S. 5		Ę i	1123	494.U5	4445.bU	491.70			
NN-A-004         DN STF         2.16         4945.37         28-Jun-01         1155         508.68         4438.85         506.52           A         D         TAN         1.25         4790.37         A         1155         508.68         4438.85         506.52           A         A         D         TAN         1.26         4790.37         A	SIF-MON-A-003			- I	2.05	-	Ę	1141	500.71	4438.35	498.66			
A 1.25 4790.37 A 1.00-A-004 TAN A-004 TAN A-004 TAN A-005 A-00	STF-MON-A-004			STF	2.16	2	Ď	1155	508.68	4438.85	506.52			
A         D         TAN         1.79         4780.57           ION-A-004         TAN-MON-A-001         TANT         2.83         4782.11           ION-A-005         TAN-MON-A-002         TANT         2.70         4784.10           ION-A-005         TAN-MON-A-002         TANT         2.70         4784.10           ION-A-005         TAN-MON-A-002         TANT         2.70         4784.10           ION-A-005         TAN-MON-A-002         TAN-MON-A-002         TAN-MON-A-002         1.24           ION-A-005         TRA         1.24         4923.71         1.24           ION-A-005         TRA         1.79         4923.82         1.24           ION-A-006         TRA         1.79         4920.14         1.24           ION-A-007         TRA         1.47         4934.93         1.47           ION-A-008         TRA         1.10         4922.14         1.24           ION-A-009         TRA         1.18         4920.94         1.24           ION-A-009         TRA         1.84         4920.94         1.84           ION-A-009         TRA         1.82         4918.37         1.84           ION-A-009         TRA         1.82	TAN-08			IAN	1.25	4790.37								
ION-A-004         TANI-MON-A-001         TANIT         2.83         4782.11           ION-A-005         TAN-MON-A-002         TANT         2.70         4784.10           ION-A-005         TAN-MON-A-002         TANT         2.70         4784.10           ION-A-005         TAN-MON-A-002         TAN-MON-A-002         1.24         4923.71           ION-A-005         TRA         1.24         4923.71         1.24         4923.82           ION-A-005         TRA         1.79         4923.82         1.24         4923.82         1.24         4923.82         1.24         4923.82         1.24         4923.82         1.24         4923.82         1.24         4923.82         1.24         4934.93         1.24         4934.93         1.24         4934.93         1.24         4934.93         1.24         4934.93         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         1.24         4936.94         <	TAN-13A			IAN	1.79	4780.57								
ION-A-005         TAN-MON-A-002         TANT         2.70         4784.10           ION-A-005         TRA         1.65         4916.49         6           ION-A-005         TRA         1.24         4923.71         7           ION-A-005         TRA         1.79         4923.82         7           ION-A-005         TRA         1.79         4923.82         7           ION-A-005         TRA         1.79         4923.82         7           ION-A-005         TRA         1.79         4920.14         7           ION-A-005         TRA         1.10         4922.14         7           ION-A-005         TRA         1.10         4922.14         7           ION-A-005         TRA         1.28         4920.94         7           ION-A-005         TRA         1.82         4919.15         7           ION-A-005         TRA         1.82         4918.37         7           ION-A-005         TRA         1.82         4909.65         28-Jun-01	TANT-MON-A-004	TAN-MON-A-001		ANT	2.83	4782.11								
D TRA 1.55 4916.49 D TRA 1.24 4923.71 D TRA 1.24 4923.71 D TRA 1.29 4923.82 D TRA 2.53 4931.56 D TRA 2.53 4931.56 D TRA 1.10 4922.14 D54 D TRA 1.10 4922.14 D55 D TRA 1.10 4922.14 D56 D TRA 1.10 4922.14 D57 D58 D TRA 1.28 4919.15 D58 D TRA 1.82 4918.37 D TRA 1.82 4919.83 D TRA 1.82 4919.85 D TRA 1.82 4909.65 28.Jun-01	TANT-MON-A-005	TAN-MON-A-002		ANT	2.70	4784.10								
D TRA 1.24 4923.71  D TRA 1.29 4923.82  D TRA 0.96 4920.14  D TRA 2.53 4931.56  D TRA 1.10 4922.14  D54  D TRA 1.10 4922.14  D55  D TRA 1.28 4920.94  D68  D TRA 1.82 4918.37  D69  D TRA 0.98 4926.01	PW-11			IRA	1.55	4916.49								
D TRA 1.79 4923.82 D TRA 0.96 4920.14 D TRA 0.96 4920.14 D TRA 0.96 4920.14 D TRA 0.96 4920.14 D TRA 0.97 1.47 4934.93 D TRA 1.10 4922.14 D TRA 1.28 4920.94 D TRA 1.84 4920.94 D TRA 1.84 4920.94 D TRA 1.84 4920.94 D TRA 1.85 4919.15 D TRA 1.85 4919.15 D TRA 1.85 4919.15 D TRA 1.87 4918.37 D TRA 1.82 4909.65 28.Jun-01 D TRA 0.58 4926.01	PW-12			IRA	1.24	4923.71								
153	PW-13			IRA	1.79	4923.82								
153	TRA-06		1204	IRA	96.0	4920.14								
63 0 TRA 1.47 4934.93 64 0 TRA 1.10 4922.14 55 0 TRA 1.28 4920.94 56 0 TRA 1.58 4919.15 56 0 TRA 0.58 4925.01 57 0 TRA 0.58 4925.01 58 0 TRA 0.58 4925.01	TRA-07			IRA	2.53	4931.56								
653     0     TRA     1.10     4922.14       154     0     TRA     1.28     4920.94       156     0     TRA     1.58     4919.15       158     0     TRA     1.82     4918.37       165     0     TRA     0.58     4925.01       121     0     INTEC     1.82     4909.65       221     0     INTEC     1.82     4909.65	TRA-08			IRA	1.47	4934.93								
0 TRA 1.28 4920.94 0 TRA 1.68 4919.15 0 TRA 0.58 4925.01 0 INTEC 1.82 4999.65 28-Jun-01	USGS-053			IRA	1.10	4922.14								
0 TRA 1.58 4919.15 0 TRA 0.58 4925.01 0 INTEC 1.82 4909.65 28-Jun-01	USGS-054		eseus.	IRA	1.28	4920.94								
0 TRA 1.82 4918.37 0 TRA 0.58 4925.01 0 INTEC 1.82 4909.65 28-Jun-01	USGS-055			IRA	1.58	4919.15								
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10 00 00 00 00 00 00 00 00 00 00 00 00 0	USGS-121		120140	ITEC	1.82	4909.65 28-Jur	٠ 1					no access	1.5	
USGS-12/ CFA 1.5/ 4956.44 2/-Jun-U1 /34 5U8.81 4449.2U	USGS-0BS-A-125	USGS-127		CFA	1.57	4956.44 27-Jun-01	-01	734	508.81	4449.20	507.24			

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vvell Name	vvell Alias	Area	stickup(ff)	BC Elev	Date	ıme	w(ttpmb) e	w(ttpmp) elev(ttamsi)	wl(bbc)	Comment	Dev corr	Adj wl
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69								
ANL-MON-A-012	ANL-MON-A-12	ANL	1.60	5132.80								
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37								
ANL-OBS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99								
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	31-Jul-01	810	600.11	4448.63	597.87			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	31-Jul-01	8	592.41	4444.60	589.71			
ARA-MON-A-002	ARA-002		2.46	5037.40	31-Jul-01	750	595.38	4444.48	592.92			
ARA-MON-A-003	ARA-MON-A003A	ARA	2.67	5050.10	31-Jul-01	817	606.13	4446.64	603.46			
ARA-MON-A-004	0	ARA	2.40	5064.60	31-Jul-01							
SITE-09	0	ARA	1.62	4926.03	30-701-01	1610	475.76	4451.89	474.14			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	30-Jul-01	1538	489.71	4448.86	487.58			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	30-Jul-01	1545	486.21	4447.96	484.28			
CFA-MON-A-003	CFA-MON-003	CFA	183	100	30-Jul-01	1555	485.77	4446.37	483.94			
LF2-10		CFA	1.35		31-Jul-01	1005	482.13	4451.70	480.78		-0.73	4452.43
LF2-11	0	CFA	1.35		31-Jul-01	1025	475.24	4454.47	473.89			
LF2-08	0	CFA	1.42		31-Jul-01	1015	481.14	4452.00	479.72		-2.95	
LF2-09	0	CFA	1.23		31-Jul-01	957	483.82	4449.64	482.59		-5.72	4455.36
LF3-10	0	CFA	222	4942.62		1005	482.13					
LF3-08	0	CFA	1.60		30-Jul-01	1511	491.23	4450.59	489.63		-4.77	4455.36
LF3-09	0	CFA	1.69									
ICPP-MON-A-021	CPP-MA-21	CPP	1.75	4904.36								
ICPP-MON-A-022	CPP-MA-22	СРР	2.50	4907.10								
USGS-020		ICPP	0.77		31-Jul-01	1120	463.86	4453.27	463.09			
USGS-034		ICPP	1.07		31-,1ul-01	1343	475.04	4455 22	473.97			
USGS-035		CPP	12		31-10-01	1354	476 12	4455 07	474 57			
USGS-036		ICPP	1 13		31-10-01	1331	475 11	4455 27	473.93			
USGS-037		CPP	133	1	31-111-111	1307	475.31	4455 29	474 119			
USGS-038		CPP	1 8	100	31-111-01	125	475 BB	4455.30	474.33			
USGS-039		CPP	13		31-14-01	1400	476.81	4455.37	475 58			
USGS-057		ICPP	1.92		31-Jul-01					n/a		
USGS-077	0	ICPP	2.18		31-Jul-01	1428	468.89	4455.08	466.71			
USGS-082	0	ICPP	1.58	4906.99	31-Jul-01	1058	452.18	4456.39	450.60			
USGS-085	0	ICPP	2.28	4939.26	30-Jul-01	1455	486.26	4455.28	483.98			
USGS-111	0	ICPP	2.27	4920.50	31-Jul-01					n/a	-5.24	
USGS-112	0	ICPP	2.29	4927.84	31-Jul-01	1410	477.27	4452.86	474.98		-2.61	
USGS-113	0	ICPP	2.34	4925.28	31-Jul-01	1419	477.84	4449.78	475.50		-6.46	
USGS-114	0	ICPP	2.28	4920.09	31-Jul-01	1435	471.72	4450.65	469.44		-4.7	4455.35
USGS-115	0	ICPP	2.30	4918.84	31-Jul-01	1444	467.91	4453.23	465.61		-2.23	4455.46
USGS-116	0	ICPP	2.53	4916.03	31-Jul-01	1110	462.14	4456.42	459.61			
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10	30-Jul-01	1005	614.87	4429.15	612.95			
RWMC-MON-A-013	A11A31	LSI	3.10	5068.80	30-Jul-01	925	643.94	4427.96	640.84			
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60	30-Jul-01	955	613.66	4428.83	612.77			
RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70	30-Jul-01	941	620.56	4424.65	619.05			
NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33								
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47								
NRF-MON-A-010	NRF-MA-10	NR-	3.27	4853.10								

Table A-11. (continued).

Well Name	Well Alias	Area	stickup(ff)	BC Elev	Date	Ime	wl(ttbmp) e	wi(ttpmp) elevittams!)	wl(bbc) Comment	Dev corr	NG W
NRF-MON-A-011	NRF-MA-11	RFF	2.96	4850.73							
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83							
NRF-MON-A-013	NRF-MA-13	NRF	3.20	4843.59							
SITE 01 WATER TABLE	-	OFF-BLR		5361.81							
PBF-MON-A-001		) PBF	1.92	4906.15	31-Jul-01	845	444.66	4463.41	442.74		
PBF-MON-A-003		0 PBF	1.85	4959.29	31-Jul-01	827	518.73	4442.41	516.88		
PBF-MON-A-004		18H	2.72	4939.66	31-Jul-01	910	496.44	4445.94	493.72		
PBF-MON-A-005			1.79	4976.13	31-Jul-01	88	511.08	4466.84	509.29		
M10S	M10S	RWMC	1.46	5021.62	30-Jul-01						
M1SA	M01S	RWMC	3.13	122	30-Jul-01	829	587.14	4427.08	584.01		
M3S	M03SA	RWMC	1.59	5016.16	30-Jul-01	815 5	590.49+				
M4D	M04D	RWMC	1.93	5022.53	30-Jul-01	912	596.93	4427.53	595.00		
M6S	MOGS	RWMC	1.86	5065.76	30-Jul-01	1020	641.06	4426.56	639.20		
M7S	M07S	RWMC	2.76	5004.85	30-Jul-01	810	69.629	4427.92	576.93		
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19	30-Jul-01	1035	566.21	4429.46	564.73		
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28	30-Jul-01	1050	535.94	4441.09	534.19		
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85	30-Jul-01	1105	601.48	4427.16	599.69		
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46	30-Jul-01	835	606.63	4428.61	603.85		
USGS-001		D SOUTH	1.42	5022.71	30-Jul-01	1305	590.82	4433.31	589.40		
USGS-083		0 SOUTH	2.15	4941.59	30-Jul-01	1430	501.17	4442.57	499.02		
USGS-104		J SOUTH	2.98	4988.65	30-Jul-01	1413	559.61	4432.02	556.63		
USGS-107		J SOUTH	1.95	4917.50	30-Jul-01	1348	482.71	4436.74	480.76		
USGS-110	USGS-110A	SOUTH	2.53	4999.97	30-Jul-01	1325	558.33	4444.17	555.80		
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40	30-Jul-01	1630	503.23	4439.99	501.41		
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937.30	30-Jul-01	1619	498.04	4441.61	495.69		
STF-MON-A-003		) STF	2.05	4937.01	31-Jul-01	929	501.11	4437.95	499.06		
STF-MON-A-004		0 STF	2.16	4945.37	31-Jul-01	941	509.01	4438.52	506.85		
TAN-08		TAN	1.25	4790.37							
TAN-13A		TAN	1.79	4780.57							
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11							
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10							
PW-11		) TRA	1.55	4916.49							
PW-12		) TRA	1.24	4923.71							
PW-13		) TRA	1.79	4923.82							
TRA-06		) TRA	96.0	4920.14				4921.10			
TRA-07		) TRA	2.53	4931.56				4934.09			
TRA-08		) TRA	1.47	4934.93				4936.40			
USGS-053		0 TRA	1.10	4922.14							
USGS-054		) TRA	1.28	4920.94	-						
USGS-055		) TRA	1.58	4919.15							
USGS-058		) TRA	1.82	4918.37							
USGS-065		0 TRA	0.58								
USGS-121		1144	1.82		31-Jul-01	1040	456.39	4455.08	454.57	7	5 4456.58
USGS-0BS-A-125	USGS-127	CFA	1.57	4956.44	30-Jul-01	1138	509.12	4448.89	507.55		

Table A-12. Water-level measurements for August 2001.

ANL-MON-A-17 ANL 120 512.89  ANL-MON-A-12 ANL 150 512.89  ANL-MON-A-12 ANL	Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time	(wl(ftbmp)	wiffbmb) eleviftams!)	wl(bbc)	Comment	Dev corr	Adi w
NAMENDOL ANIL-MONADA13 ANIL 3109 513028 SAGIIA ANIL-MONADA14 ANIL 3109 513029 SAGIIA ANIL-MONADA15 SAGIIA ANIL 310029 SAGIIA ANIL-MONADA16 SAGIIA ANIL 310029 SAGIIA ANIL-MONADA19 SAGIIA ANIL 310029 SAGIIA ANIL 31000000000000000000000000000000000000	ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69				10	55 55			
NAME	ANL-MON-A-012	ANL-MON-A-12	ANL	1.60	5132.80								
Sea Anti-Mon-Mount Ant. 100 5130 SA-901 130 600 60 4486 697 89 69 70 Mount Anti-Mon-Mount Ant. Ant. Ant. Ant. Ant. Ant. Ant. 216 512 Aug 1 155 589 28 4441 9 690 12 Mount Ant. Ant. Ant. Ant. Ant. Ant. Ant. An	ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37								
NAMONIA MARA CRANCE ARA 214 GMG DI ZAMPO 1 1553 GRO 1844 44 16 GRO 35 GRO 1844 64	ANL-0BS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99								
NOM-ADDI ARADONI ARA 21 10343 07 Auglo 1253 655 61 4444 5 693 5 690 12  ARA 26 56 500 12 Auglo 1399 656 11 4446 5 693 5 690 12  NOM-ADDI ARAMON-MOD3 ARA 26 500 10 7 Auglo 1399 656 11 4446 19 693 5 690 12  NOM-ADDI CFAMON-MOD3 CFA 152 656 10 Auglo 1446 19 60 698 4 690 10 Auglo 150 600 10 Auglo 1	ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50		1300			597.84			
NON-MODE ARAMON-MODE ARA 266 5007 07 2 Aug 01 1309 656 65 1444 105 633 35  NON-MODE ARAMON-MODE ARA 267 50500 07 2 Aug 01 130 666 56 1444 105 633 89  NON-MODE ARAMON-MODE ARA 267 50500 07 2 Aug 01 130 666 56 1446 10 638 89  NON-MODE CFAMON-MODE CFA 116 60500 07 2 Aug 01 110 480 67 1441 00 480 41  NA-MODE CFAMON-MODE CFA 115 40504 07 1110 480 67 1441 00 480 14  NA-MODE CFAMON-MODE CFA 115 40504 07 1110 480 67 1441 00 480 14  NA-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 14  NA-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 14  NA-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 14  NA-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 14  NA-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 15  NA-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 15  NA-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 15  NA-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 15  NON-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 15  NON-MODE CFAMON-MODE CFA 115 40504 07 1450 4441 00 480 15  NON-MODE CFAMON-MODE CFAMON-	ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	1 27-Aug-01	1253			590.12			
NON-AOOTS APA-MON-MONSA ARA 2 67 5050 0 27-Aug-01 130 666 4446 21 603 89  NON-AOOTS (FA-MON-MONS) ARA 2 67 5050 0 27-Aug-01 110 4905 7 4446 00 486 44  NON-AOOTS (FA-MON-MONS) CFA 123 4995 1 27-Aug-01 1110 4905 7 4446 00 486 46  NON-AOOTS (FA-MON-MONS) CFA 123 4993 1 27-Aug-01 1110 4905 7 4446 00 486 46  NON-AOOTS (FA-MON-MONS) CFA 124 4993 1 27-Aug-01 1115 M-8  NON-AOOTS (FA-MON-MONS) CFA 125 4993 1 27-Aug-01 1115 M-8  NON-AOOTS (FA-MON-MONS) CFA 126 4993 1 27-Aug-01 1115 M-8  NON-AOOTS (FA-MON-MONS) CFA 127 4993 1 27-Aug-01 1116 M-8  NON-AOOTS (FA-MON-MONS) CFA 127 4993 1 27-Aug-01 1116 M-8  NON-AOOTS (FA-MON-MONS) CFA 127 4993 1 27-Aug-01 1116 M-8  NON-AOOTS (FA-MON-MONS) CFA 127 4993 1 27-Aug-01 1116 M-8  NON-AOOTS (FA-MON-MONS) CFA 127 4993 1 27-Aug-01 1116 M-8  NON-AOOTS (FA-MON-MONS) CFA 127 4993 1 27-Aug-01 1116 M-8  NON-AOOTS (FA-MON-MONS) CFA 127 4993 1 27-Aug-01 1116 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1110 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1110 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1110 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1110 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1110 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1100 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1100 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1100 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1100 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1100 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1100 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1100 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1100 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 27-Aug-01 1100 M-8  NON-AOOTS (FA-MON-MONS) CFA 128 4993 1 1400 M-8  NON-AOOTS (FA-MON-MONS) CFA 128	ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	127-Aug-01	1309			593.35			
NOTA-ONA   CFAMONOD   CFA   24   5004 80   27-AugO   1100   4905   4461 0   488 44	ARA-MON-A-003	ARA-MON-A003A	ARA	2.67	5050.10	127-Aug-01	1320			603.89			
CAMONADIO   CFAA   162   4926 ii 37-AugO    1105   4765   4445 ii 4466   4447 ii 4466   4447 ii 4464   4447 ii 4447 ii 4467 ii 4	ARA-MON-A-004		ARA	2.40	5064.60								
11   11   12   12   13   13   13   13	SITE-09	0	ARA	1.62	4926.03		1355			474.66			
CFAMONOMO	CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44		1100	000	522	488.44			
ONA-0030         CFAMON+0030         CFA         183         4503 31         27-Aug-01         115 6         482.14         485.13         4861.14         pump work         0.73           ONA-0030         CFA         1.35         4502.48         27-Aug-01         1500         481.62         4454.13         441.17         0.73           ONA-0021         CFA         1.34         4503.22         27-Aug-01         1500         481.62         4454.19         480.10         -2.296           ONA-0021         CFA         1.80         4940.22         27-Aug-01         1500         484.38         449.08         480.20         -2.296           ONA-0022         CP-PMA-22         CFA         1.80         4940.22         27-Aug-01         1450         491.88         449.08         480.26         445.10         447.71           ONA-0021         CPP MA-22         CPA         1.80         4940.22         17-Aug-01         145.80         4445.88         47.41         47.41         47.71         44.42         47.42         47.47         47.44         47.47         47.47         47.47         47.47         47.47         47.47         47.47         47.47         47.47         47.47         47.47         47.47	CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24		1110			485.15			
CPA   1.56   492.48   27.44g-01   1515   482.48   4451.34   4811.4   -0.73	CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31		1115	n/a					
CFA   135   4928 39 27-AugO1   1522   475 52   4454 19   474 17   17   4937 17   27-AugO1   1500   4464 19   474 17   17   4937 17   27-AugO1   1500   4464 19   474 17   17   4937 17   27-AugO1   1500   4481 18   4	LF2-10		CFA	1.35	4932.48	27-Aug-01	1515			481.14		-0.73	4452.07
CFA   142   49172   27-Aug01   1500   481 52   4451 62   480 20   2-57   492.23   27-Aug01   1508   484.3   444.9   68   483.1   5-77   492.23   27-Aug01   1508   484.3   6   484.9   68   68   68   68   68   68   68   6	LF2-11	0	CFA	1.35	4928.36		1522			474.17			
CPA   123   4932, 2 77-Aug-01   1508   484.38   4449.08   483.15   5.72     CON-AO21   CPA   160   4940, 2 77-Aug-01   1450   49186   4449.96   490.26   4.77     CON-AO22   CPP-MA-21   CPP   156   490.16   1450   1450   4449.96   490.26   4.47     CON-AO22   CPP-MA-22   CPP   2.50   490.710   2.50   470.710   4454.23   475.18	LF2-08	0	CFA	1.42	4931.72		1500			480.20		-2.95	
CFA   777   494,62   491,62   491,63   491,64   449,96   490,26   490,26   491,74   491,74   491,84   491,08	LF2-09	0	CFA	1.23	4932.23	27-Aug-01	1508			483.15		-5.72	
100 A-A021         CFA         160         4940 22         27-Aug-01         449 56         449 56         449 56         449 56         449 56         447 56         447 56         449 56         447 56         447 56         447 56         447 56         447 56         447 57         447 56         447 57         475 56         447 57         475 56         447 57         475 56         475 5	LF3-10	0	CFA	555	4942.62								
CPP-MA-21 CPP 1.75 4904.36 CPP-MA-22 CPP 2.60 4907.10 CPP-MA-22 CPP 2.60 4907.10 CPP-MA-23 CPP 2.60 4907.10 CPP 2.60 4907.10 CPP 2.60 4907.10 CPP 2.60 4907.10 CPP 1.07 4902.91 27-Aug-01 807 n/a CPP-MA-21 CPP 1.07 4902.91 27-Aug-01 865 475.11 4454.28 474.91 CPP-MA-21 CPP 1.18 4902.92 12-7-Aug-01 12.07 456.64 CPP 1.22 4902.93 12-7-Aug-01 12.07 456.64 CPP 1.23 4902.93 12-7-Aug-01 12.07 456.64 CPP 1.23 4902.93 12-7-Aug-01 12.07 4454.45 CPP 1.23 4902.93 12-7-Aug-01 12.07 4454.45 CPP 1.24 4902.93 12-7-Aug-01 12.07 4454.22 CPP 1.25 4902.93 12-7-Aug-01 12.07 4454.22 CPP 1.28 4902.93 12-7-Aug-01 12.07 4454.23 CPP 1.28 4902.93 12-7-Aug-01 12.07 4454.33 CPP 1.28 4902.93 12-7-Aug-01 12.07 4453.34 CPP 1.28 4902.93 12-7-Aug-01 12.07 6453.34 CPP 1.28 4902.93 12	LF3-08	0	CFA	1.60	4940.22		1450		222	490.26		-4.77	4454.73
CPP-MA-21 CPP 1.75 4904.36 CPP-MA-22 CPP 2.50 4907.10 CPP-MA-22 CPP 0.77 4916.36 28-Aug-01 917 475.98 4454.28 474.91 CPP-MA-22 CPP 0.77 4916.36 28-Aug-01 917 475.98 4454.28 474.91 CPP-MA-22 CPP 0.77 4929.19 27-Aug-01 917 475.98 4454.28 474.91 CPP 1.27 4929.28 12-Aug-01 1247 4454.08 475.66 CPP 1.28 4929.20 27-Aug-01 134 4454.49 475.18 CPP 1.28 4929.20 27-Aug-01 134 4454.49 475.18 CPP 1.28 4929.20 27-Aug-01 134 4454.49 475.18 CPP 1.28 4929.20 27-Aug-01 134 4454.30 475.66 CPP 1.28 4929.20 27-Aug-01 134 4454.30 475.66 CPP 1.28 4929.20 27-Aug-01 134 4454.30 475.66 CPP 1.28 4929.29 28-Aug-01 1400 485.67 4454.30 475.89 CPP 2.28 4929.29 28-Aug-01 1025 4455.30 451.60 CPP 2.28 4929.29 28-Aug-01 1025 4455.30 451.60 CPP 2.28 4920.29 28-Aug-01 1025 4455.30 451.60 CPP 2.28 4920.29 28-Aug-01 1025 4456.30 451.60 CPP 2.28 4920.29 28-Aug-01 1025 4456.30 451.60 CPP 2.28 4920.29 28-Aug-01 1025 4456.30 451.60 CPP 2.28 4920.39 28-Aug-01 1025 4456.30 451.60 CPP 2.28 4920.39 28-Aug-01 1025 4456.30 451.60 CPP 2.29 4927.80 28-Aug-01 1025 4456.30 451.60 CPP 2.29 4920.39 28-Aug-01 1025 4458.34 475.96 CPP 2.29 4920.39 28-Aug-01 140 640.60 542.89 640.50 CPP 2.29 4920.39 28-Aug-01 140 640.60 542.89 640.50 CPP 2.29 4920.30 28-Aug-01 1500 613.7 4428.79 612.81 CPP 2.29 4920.30 28-Aug-01 140 640.60 542.89 640.50 CPP 2.20 4920.30 28-Aug-01 140 640.60 542.89 640.50 CP	LF3-09	0	CFA	1.69	4941.08								
CPP-MA-22         CPP (CPP-MA-22)         CPP (CPP-MA-22)<	ICPP-MON-A-021	CPP-MA-21	CPP	1.75	4904.36								
Comparison   Com	ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
CPP   1.07   4929 19   27-Aug-01   865   477.11   445.08   474.28   474.91   874.09   875.64   874.08   875.64   875.08   875.64   875.08   875.0	USGS-020	0	ICPP	0.77	4916.36		807	n/a					
CPP   1.55   4929 64   27-Aug-01   865   477.11   4454.08   475.56	USGS-034	0	ICPP	1.07	4929.19		917			474.91			
CPP   1.18   4929.20   27-Aug-01   1247   476.15   4454.45   474.97   17.04   476.15   476.14   474.94   17.04   17.04   12.04   4929.63   27-Aug-01   12.04   476.14   4454.45   476.18   476	USGS-035	0	ICPP	1.55	4929.64		855			475.56			
Columb	USGS-036	0	ICPP	1.18	4929.20		947	476.15		474.97			
Columb	USGS-037	0	ICPP	1.22	4929.38		1247			474.94			
CPP   1.23   4930.96   27-Aug-01   820   477.88   4454.20   476.65   488.27   488.	USGS-038	0	ICPP	1.33	4929.63		1311			475.18			
CPP   1.92   4922.49   28-Aug-01   1020   470.19   454.22   468.27   468.27   468.27   468.27   468.27   468.27   468.27   468.27   468.27   468.28   451.60   468.27   468.39   451.60   468.27   468.39   468.28   468.	USGS-039	0	ICPP	1.23	4930.95	. 27-Aug-01	820			476.65			
CPP   2.18   4921.79   27-Aug-01   1400   469.67   4454.30   467.49   467	USGS-057	0	ICPP	1.92		1 28-Aug-01	1020			468.27			
CPP   1.68   4906.99   28-Aug-01   915   455.39   451.60   915	USGS-077	0	ICPP	2.18		127-Aug-01	1400			467.49			
Columbia	USGS-082	0	ICPP	1.58			915			451.60			
CPP	USGS-085	0	ICPP	2.28	4939.26		1100			484.24			
CPP	USGS-111	0	ICPP	2.27	4920.50		1025			472.16		-5.24	
Columbia	USGS-112	0	ICPP	2.29	4927.84		1330			475.96		-2.61	
Columbia	USGS-113	0	ICPP	2.34	4925.28		1345	n/a			plugged	-6.46	
Color   CPP   CP	USGS-114	0	ICPP	2.28	4920.09		1142			470.28		-4.7	
LSIT TEST WELL   LSIT   1.92   5042.10   28-Aug-01   830   463.05   4456.51     LSIT TEST WELL   LSIT   1.92   5042.10   28-Aug-01   1510   615.04   4428.98     ANTA31   LSIT   3.10   5068.80   28-Aug-01   1440   644.05   4427.85     RWMC-MA-66   LSIT   1.51   6043.70   28-Aug-01   1450   620.73   4424.48     NRF-MA-08   NRF   3.04   4852.37     NRF-MA-09   NRF   2.86   4953.47   4853.10     NRF-MA-10   NRF   3.27   4853.10     ANTA-08   ANTA-08   ANTA-08   ANTA-08     ANTA-08   ANTA-08   ANTA-08   ANTA-08     ANTA-08   ANTA-08   ANTA-08     ANTA-08   ANTA-08   ANTA-08     ANTA-08   ANTA-08   ANTA-08     ANTA-08   ANTA-08   ANTA-08     ANTA-08   ANTA-08   ANTA-08     ANTA-08   ANTA-08   ANTA-08     ANTA-08   ANTA-08   ANTA-08     ANTA-08     AN	USGS-115	0	ICPP	2.30	4918.84		940			466.54		-2.23	
LSIT TEST WELL LSIT 1.92 5042.10 28-Aug-01 1510 615.04 4428.98 A11A31 LSIT 8.10 5068.80 28-Aug-01 1440 644.05 4427.85 RWMC-MA-65 LSIT 0.89 5041.60 28-Aug-01 1500 613.7 4428.79 RWMC-MA-08 LSIT 1.51 5043.70 28-Aug-01 1450 620.73 4424.48 NRF-MA-08 NRF 3.04 4862.33 A10A-09 NRF 2.86 4863.47 RMA-10 NRF 3.27 4863.10	USGS-116	0	ICPP	2.53	4916.03		830			460.52			
A11A31 LSIT 3.10 5068.80 28-Aug-01 1440 644.05 4427.85 RWMC-MA-65 LSIT 0.89 5041.60 28-Aug-01 1500 613.7 4428.79 RWMC-MA-66 LSIT 1.51 5043.70 28-Aug-01 1450 620.73 4424.48 NRF-MA-08 NRF 3.04 4862.33 A863.47 NRF-MA-10 NRF 3.27 4863.10	RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10		1510			613.12			
RWMC-MA-65         LSIT         0.89         5041.60         28-Aug-01         150         613.7         4428.79           RWMC-MA-66         LSIT         1.51         5043.70         28-Aug-01         1450         620.73         4424.48           NRF-MA-08         NRF         3.04         4862.33         8424.48         8482.33         8424.48           NRF-MA-09         NRF         2.86         4863.47         8482.31         8482.31         8482.31	RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80		1440			640.95			
RWMC-MA-66 LSIT 1.51 5043.70 28-Aug-01 1450 620.73 4424.48 NRF-MA-08 NRF 3.04 4862.33 NRF-MA-09 NRF 2.86 4863.47 NRF-MA-10 NRF 3.27 4863.10	RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60		1500			612.81			
NRF-MA-08 NRF 3.04 NRF-MA-09 NRF 2.86 NRF-MA-10 NRF 3.27	RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70		1450	620.73		619.22			
NRF-MA-09 NRF 2.86 NRF-MA-10 NRF 3.27	NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33								
NRF-MA-10 NRF 3.27	NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47								
	NRF-MON-A-010	NRF-MA-10	NRF	3.27	4853.10								

Table A-12. (continued).

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Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	lme	wl(ttbmp) e	wl(ttpmp) elev(ttamsl)	wl(bbc)	Comment	Dev corr	Adj wi
NRF-MON-A-011	NRF-MA-11	NRF	2.96	4850.73			70007	8				
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83								
NRF-MON-A-013	NRF-MA-13	NRF	3.20	4843.59								
SITE 01 WATER TABLE	_	OFF-BLR		5361.81								
PBF-MON-A-001		) PBF	1.92	4906.15 29	29-Aug-01	1115	444.74	4463.33	442.82			
PBF-MON-A-003		0 PBF	1.85	4959.29 27	27-Aug-01	1333	519.18	4441.96	517.33			
PBF-MON-A-004		) PBF	2.72	4939.66 29	29-Aug-01	1142	469.53	4472.85	466.81			
PBF-MON-A-005		) PBF	1.79	4976.13 29	29-Aug-01	1130	511.26	4466.66	509.47			
M10S	M10S	RWMC	1.46	5021.62								
M1SA	M01S	RWMC	3.13	5011.09 28	28-Aug-01	1415	487.35	4526.87	484.22			
M3S	M03SA	RWMC	1.59	5016.16 28	28-Aug-01	1350 n/a	ı/a			logging		
M4D	M04D	RWMC	1.93	5022.53 28	28-Aug-01	1425	597.17	4427.29	595.24			
M6S	MOGS	RWMC	1.86	5065.76 28	28-Aug-01	1520	641.26	4426.36	639.40			
M7S	M07S	RWMC	2.76	5004.85 28	28-Aug-01	1315	579.65	4427.96	62,678			
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19 29	29-Aug-01	1405	566.49	4429.18	565.01			
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28 29	29-Aug-01	1345	536.29	4440.74	534.54			
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85 28	28-Aug-01	1533	601.59	4427.05	599.80			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46 29	29-Aug-01	1435	606.82	4428.42	604.04			
USGS-001		SOUTH	1.42	5022.71 29	29-Aug-01	1215	590.99	4433.14	589.57			
USGS-083		0 SOUTH	2.15	4941.59 29	29-Aug-01	1300	501.36	4442.38	499.21			
USGS-104		SOUTH	2.98	4988.65 29	29-Aug-01	1315	559.92	4431.71	556.94			
USGS-107		0 SOUTH	1.95	4917.50 29	29-Aug-01	1242	482.92	4436.53	480.97			
USGS-110	USGS-110A	SOUTH	2.53	4999.97 29	29-Aug-01	1230	568.49	4434.01	565.96			
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40 27	27-Aug-01	1415	503.77	4439.45	501.95			
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937.30 27	27-Aug-01	1406	498.61	4441.04	496.26			
STF-MON-A-003		STF	2.05	4937.01 27	27-Aug-01	1420	501.41	4437.65	499.36			
STF-MON-A-004		0 STF	2.16	4945.37 27	27-Aug-01	1430	509.32	4438.21	507.16			
TAN-08		TAN	1.25	4790.37								
TAN-13A			1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10								
PW-11		) TRA	1.55	4916.49								
PW-12		0 TRA	1.24	4923.71								
PW-13		) TRA	1.79	4923.82								
TRA-06		) TRA	96.0	4920.14								
TRA-07		) TRA	2.53	4931.56								
TRA-08		0 TRA	1.47	4934.93								
USGS-053		) TRA	1.10	4922.14								
USGS-054		0 TRA	1.28	4920.94								
USGS-055			1.58	4919.15								
USGS-058			1.82	4918.37								
USGS-065		0 TRA	0.58	4925.01								
USGS-121			1.82	4909.65 28-Aug-01	-Aug-01	1445	457.33	4454.14	455.51		-1.5	4455.64
USGS-0BS-A-125	USGS-127	CFA	1.57	4956.44 27	27-Aug-01	1125	509.81	4448.20	508.24			